

<210> 630
<211> 15
<212> PRT
<213> Homo sapiens

<400> 630
Pro Ala Pro Leu Pro Leu Arg Trp Ser Pro Ala Gly Pro Gly Gln
1 5 10 15

<210> 631
<211> 44
<212> PRT
<213> Homo sapiens

<400> 631
Met Ala Pro Ala Cys Gln Ile Leu Arg Trp Ala Leu Ala Leu Gly Leu
1 5 10 15

Gly Leu Met Phe Glu Val Thr His Ala Phe Arg Ser Gln Gly Arg Gly
20 25 30

Ser Leu Val Val Ala Val Gly Arg Glu Arg Lys Met
35 40

<210> 632
<211> 44
<212> PRT
<213> Homo sapiens

<400> 632
Met Ala Pro Ala Cys Gln Ile Leu Arg Trp Ala Leu Ala Leu Gly Leu
1 5 10 15

Gly Leu Met Phe Glu Val Thr His Ala Phe Arg Ser Gln Gly Arg Gly
20 25 30

Ser Leu Val Val Ala Val Gly Arg Glu Arg Lys Met
35 40

<210> 633
<211> 42
<212> PRT
<213> Homo sapiens

<400> 633
Met Phe Lys Lys Asp Leu Ile Cys Lys Arg Trp Ser Phe Phe Phe Trp
1 5 10 15

Gly Leu Leu Ile Ser Val Val Ile Leu Thr Ser Phe Ser Asn Tyr Ser
20 25 30

Arg Arg Phe Tyr Leu Asp Leu Tyr Phe Ser
35 40

<210> 634
<211> 7
<212> PRT
<213> Homo sapiens

<400> 634
Phe Ile Gly Phe Ile Leu Cys
1 5

<210> 635
<211> 42
<212> PRT
<213> Homo sapiens

<400> 635
Met Phe Lys Lys Asp Leu Ile Cys Lys Arg Trp Ser Phe Phe Phe Trp
1 5 10 15

Gly Leu Leu Ile Ser Val Val Ile Leu Thr Ser Phe Ser Asn Tyr Ser
20 25 30

Arg Arg Phe Tyr Leu Asp Leu Tyr Phe Ser
35 40

<210> 636
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 636
Trp Phe Gln Thr Val Asp Arg His Cys Phe Val Leu Xaa Thr Asp Lys
1 5 10 15

Val Lys Leu Thr Trp Arg Asp Arg Phe Pro Ala Tyr Leu Thr Asn Leu

	20		25		30										
Val	Ser	Ile	Ile	Phe	Met	Xaa	Ser	Ser	Arg	Arg	Leu	Arg	Pro	Asp	Glu
		35					40				45				
Val	Arg	Gly	Asn	Arg	Lys	Glu	Val	Ile	Gly	Phe	Ser	Arg	Ala	Trp	Trp
	50					55					60				
Phe	Thr	Thr	Val	Ile	Pro	Ala	Leu	Trp	Glu	Ala	Glu	Ala	Gly	Arg	Ser
65					70					75					80
Leu	Glu	Val	Arg	Ser	Ser	Arg	Pro	Ala	Trp	Pro	Ile	Trp			
				85					90						

<210> 637
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 637															
Met	Ser	Leu	Gly	Phe	Trp	Val	Trp	Leu	Pro	Ser	Cys	Cys	His	Lys	Met
1				5					10					15	
Leu	Val	Val	Thr	Cys	Thr	Phe	Gly	His	Tyr	Leu	Pro	Leu	Glu	Ser	Ser
			20					25					30		
His	His	Leu													
		35													

<210> 638
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 638															
Met	Ser	Leu	Gly	Phe	Trp	Val	Trp	Leu	Pro	Ser	Cys	Cys	His	Lys	Met
1				5					10					15	
Leu	Val	Val	Thr	Cys	Thr	Phe	Gly	His	Tyr	Leu	Pro	Leu	Glu	Ser	Ser
			20					25					30		
His	His	Leu													
		35													

<210> 639
 <211> 394
 <212> PRT
 <213> Homo sapiens

<400> 639															
Val	Thr	Thr	Leu	Phe	Leu	Gly	Pro	Cys	Tyr	Cys	Arg	Gly	Arg	Leu	His

1	5	10	15
Gly Leu Arg Gln Glu Ser Arg Leu Gly Asp Arg Ser Leu Val Ile Gly	20	25	30
Ala Gly Ala Cys Tyr Cys Ile Tyr Arg Leu Thr Arg Gly Arg Lys Gln	35	40	45
Asn Lys Glu Lys Met Ala Glu Gly Gly Ser Gly Asp Val Asp Asp Ala	50	55	60
Gly Asp Cys Ser Gly Ala Arg Tyr Asn Asp Trp Ser Asp Asp Asp Asp	65	70	75
Asp Ser Asn Glu Ser Lys Ser Ile Val Trp Tyr Pro Pro Trp Ala Arg	85	90	95
Ile Gly Thr Glu Ala Gly Thr Arg Ala Arg Ala Arg Ala Arg Ala Arg	100	105	110
Ala Thr Arg Ala Arg Arg Ala Val Gln Lys Arg Ala Ser Pro Asn Ser	115	120	125
Asp Asp Thr Val Leu Ser Pro Gln Glu Leu Gln Lys Val Leu Cys Leu	130	135	140
Val Glu Met Ser Glu Lys Pro Tyr Ile Leu Glu Ala Ala Leu Ile Ala	145	150	155
Leu Gly Asn Asn Ala Ala Tyr Ala Phe Asn Arg Asp Ile Ile Arg Asp	165	170	175
Leu Gly Gly Leu Pro Ile Val Ala Lys Ile Leu Asn Thr Arg Asp Pro	180	185	190
Ile Val Lys Glu Lys Ala Leu Ile Val Leu Asn Asn Leu Ser Val Asn	195	200	205
Ala Glu Asn Gln Arg Arg Leu Lys Val Tyr Met Asn Gln Val Cys Asp	210	215	220
Asp Thr Ile Thr Ser Arg Leu Asn Ser Ser Val Gln Leu Ala Gly Leu	225	230	235
Arg Leu Leu Thr Asn Met Thr Val Thr Asn Glu Tyr Gln His Met Leu	245	250	255
Ala Asn Ser Ile Ser Asp Phe Phe Arg Leu Phe Ser Ala Gly Asn Glu	260	265	270
Glu Thr Lys Leu Gln Val Leu Lys Leu Leu Leu Asn Leu Ala Glu Asn	275	280	285
Pro Ala Met Thr Arg Glu Leu Leu Arg Ala Gln Val Pro Ser Ser Leu	290	295	300
Gly Ser Leu Phe Asn Lys Lys Glu Asn Lys Glu Val Ile Leu Lys Leu			

305		310		315		320
Leu Val Ile Phe Glu Asn Ile Asn Asp Asn Phe Lys Trp Glu Glu Asn						
	325			330		335
Glu Pro Thr Gln Asn Gln Phe Gly Glu Gly Ser Leu Phe Phe Phe Leu						
	340			345		350
Lys Glu Phe Gln Val Cys Ala Asp Lys Val Leu Gly Ile Glu Ser His						
	355			360		365
His Asp Phe Leu Val Lys Val Lys Val Gly Lys Phe Met Ala Lys Leu						
	370			375		380
Ala Glu His Met Phe Pro Lys Ser Gln Glu						
385		390				

<210> 640
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 640															
Met	Ser	Pro	Arg	Pro	Leu	Ile	Ala	Arg	Cys	Glu	Ala	Leu	Gly	Cys	Gly
1				5					10					15	
Ala	Arg	Arg	Leu	Pro	Trp	Trp	Ala	Leu	Ala	Met	Ala	Leu	Cys	Ala	Cys
			20					25					30		
Gly	Arg	Cys	Val	Ala	Ala	Asn	Ser	Ile	Gly	Glu	Thr	Leu	Pro	Ser	Glu
		35					40					45			
Val															

<210> 641
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 641															
Met	Ser	Pro	Arg	Pro	Leu	Ile	Ala	Arg	Cys	Glu	Ala	Leu	Gly	Cys	Gly
1				5					10					15	
Ala	Arg	Arg	Leu	Pro	Trp	Trp	Ala	Leu	Ala	Met	Ala	Leu	Cys	Ala	Cys
			20					25					30		
Gly	Arg	Cys	Val	Ala	Ala	Asn	Ser	Ile	Gly	Glu	Thr	Leu	Pro	Ser	Glu
		35					40					45			
Val															

<210> 642
<211> 85
<212> PRT
<213> Homo sapiens

<400> 642
Pro Ser Val Ala Leu Cys Trp Ile Phe Phe Ile Pro Leu Gly Lys Trp
1 5 10 15
Glu Phe Phe Tyr Arg Pro Ala Ile Leu Leu Leu Cys Gln Ile Ala Leu
20 25 30
Tyr Tyr Gln Asp Thr Pro Met Ala His Phe Arg Leu Thr Glu Leu Phe
35 40 45
Leu Tyr Glu Cys Thr Val Val Ile Phe Trp Ala Val Cys Glu Phe Leu
50 55 60
Val Thr His Pro Leu Thr Thr Lys Ala Leu Ser Glu Gln Tyr Lys Ser
65 70 75 80
Ile Lys Ala Gln Ile
85

<210> 643
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 643
Met Val Gly Leu Pro Ala Val Xaa Gln Leu Phe Trp Gly Leu Cys Leu
1 5 10 15
Cys Thr Cys Gly Leu Tyr Pro Ala Pro Gln Ser Trp Leu Ser Ser Gly
20 25 30
Xaa Tyr Lys Val Thr Ser Gly Ala Pro Ser Glu Arg Met Trp Pro Gln
35 40 45
Arg His Ala Ser Gly Phe Arg Leu Ser Gly Arg Thr Cys Leu Arg Ala
50 55 60
Thr Ala Pro Ser Pro Ser Phe Pro Phe Phe Ser Ala Val Ile Asn Leu

65

70

75

80

Ser Ala Cys Ser Lys
85

<210> 644

<211> 54

<212> PRT

<213> Homo sapiens

<400> 644

Met Val Gly Leu Pro Ala Val Val Gln Leu Phe Trp Gly Leu Cys Leu
1 5 10 15

Cys Thr Cys Gly Ala Val Ser Cys Pro Thr Glu Leu Ala Val Gln Trp
20 25 30

Arg Ile Gln Ser Asp Ile Trp Cys Ser Leu Arg Lys Asn Val Ala Pro
35 40 45

Glu Ala Cys Gln Trp Leu
50

<210> 645

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 645

Met Ile Leu Gly Ile His Trp Gly Ile Phe Leu Leu Leu Leu Ser
1 5 10 15

Trp Leu Glu Leu Gln Arg Thr Val Ile Phe Phe Phe Ser Pro Phe Pro
20 25 30

Ile Gln Lys His Tyr Thr Leu Gly His Phe Ser Phe Ser Gln Arg Arg
35 40 45

Phe Met Asp Ser Gln Thr Glu Leu Cys Ala Thr Gly Lys Val Lys Arg
50 55 60

Glu Lys Xaa Ala Asp Glu Val Thr Trp Leu His Xaa Leu His His Ala
65 70 75 80

Xaa

<210> 646
<211> 73
<212> PRT
<213> Homo sapiens

<400> 646
Ile Phe Leu Leu Leu Leu Leu Ser Trp Leu Glu Leu Gln Arg Thr Val
1 5 10 15

Ile Phe Phe Phe Ser Pro Phe Pro Ile Gln Lys His Tyr Thr Leu Gly
20 25 30

His Phe Ser Phe Ser Gln Arg Arg Phe Met Asp Ser Gln Thr Glu Leu
35 40 45

Cys Ala Thr Gly Lys Val Lys Arg Glu Lys Ala Ala Asp Glu Val Thr
50 55 60

Trp Leu His Val Leu His His Ala Glu
65 70

<210> 647
<211> 9
<212> PRT
<213> Homo sapiens

<400> 647
Trp Gly Leu Leu Tyr Leu Glu Leu Asn
1 5

<210> 648
<211> 81
<212> PRT
<213> Homo sapiens

<400> 648
Met Ile Leu Gly Ile His Trp Gly Ile Phe Leu Leu Leu Leu Ser
1 5 10 15

Trp Leu Glu Leu Gln Arg Thr Val Ile Phe Phe Phe Ser Pro Phe Pro
20 25 30

Ile	Gln	Lys	His	Tyr	Thr	Leu	Gly	His	Phe	Ser	Phe	Ser	Gln	Arg	Arg
	35						40					45			
Phe	Met	Asp	Ser	Gln	Thr	Glu	Leu	Cys	Ala	Thr	Gly	Lys	Val	Lys	Arg
	50					55					60				
Glu	Lys	Ala	Ala	Asp	Glu	Val	Thr	Trp	Leu	His	Val	Leu	His	His	Ala
65					70					75					80

Glu

<210> 649
 <211> 870
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (534)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 649

Met	Gly	Pro	Pro	Ser	Leu	Val	Leu	Cys	Leu	Leu	Ser	Ala	Thr	Val	Phe
1				5					10					15	
Ser	Leu	Leu	Gly	Gly	Ser	Ser	Ala	Phe	Leu	Ser	His	His	Arg	Leu	Lys
			20					25					30		
Gly	Arg	Phe	Gln	Arg	Asp	Arg	Arg	Asn	Ile	Arg	Pro	Asn	Ile	Ile	Leu
		35					40					45			
Val	Leu	Thr	Asp	Asp	Gln	Asp	Val	Glu	Leu	Gly	Ser	Met	Gln	Val	Met
	50					55					60				
Asn	Lys	Thr	Arg	Arg	Ile	Met	Glu	Gln	Gly	Gly	Ala	His	Phe	Ile	Asn
65					70				75						80
Ala	Phe	Val	Thr	Thr	Pro	Met	Cys	Cys	Pro	Ser	Arg	Ser	Ser	Ile	Leu
				85					90					95	
Thr	Gly	Lys	Tyr	Val	His	Asn	His	Asn	Thr	Tyr	Thr	Asn	Asn	Glu	Asn
			100					105					110		
Cys	Ser	Ser	Pro	Ser	Trp	Gln	Ala	Gln	His	Glu	Ser	Arg	Thr	Phe	Ala
		115					120					125			
Val	Tyr	Leu	Asn	Ser	Thr	Gly	Tyr	Arg	Thr	Ala	Phe	Phe	Gly	Lys	Tyr
	130					135					140				
Leu	Asn	Glu	Tyr	Asn	Gly	Ser	Tyr	Val	Pro	Pro	Gly	Trp	Lys	Glu	Trp
145					150					155					160
Val	Gly	Leu	Leu	Lys	Asn	Ser	Arg	Phe	Tyr	Asn	Tyr	Thr	Leu	Cys	Arg
				165					170					175	

Asn	Gly	Val	Lys	Glu	Lys	His	Gly	Ser	Asp	Tyr	Ser	Lys	Asp	Tyr	Leu	180	185	190	
Thr	Asp	Leu	Ile	Thr	Asn	Asp	Ser	Val	Ser	Phe	Phe	Arg	Thr	Ser	Lys	195	200	205	
Lys	Met	Tyr	Pro	His	Arg	Pro	Val	Leu	Met	Val	Ile	Ser	His	Ala	Ala	210	215	220	
Pro	His	Gly	Pro	Glu	Asp	Ser	Ala	Pro	Gln	Tyr	Ser	Arg	Leu	Phe	Pro	225	230	235	240
Asn	Ala	Ser	Gln	His	Ile	Thr	Pro	Ser	Tyr	Asn	Tyr	Ala	Pro	Asn	Pro	245	250	255	
Asp	Lys	His	Trp	Ile	Met	Arg	Tyr	Thr	Gly	Pro	Met	Lys	Pro	Ile	His	260	265	270	
Met	Glu	Phe	Thr	Asn	Met	Leu	Gln	Arg	Lys	Arg	Leu	Gln	Thr	Leu	Met	275	280	285	
Ser	Val	Asp	Asp	Ser	Met	Glu	Thr	Ile	Tyr	Asn	Met	Leu	Val	Glu	Thr	290	295	300	
Gly	Glu	Leu	Asp	Asn	Thr	Tyr	Ile	Val	Tyr	Thr	Ala	Asp	His	Gly	Tyr	305	310	315	320
His	Ile	Gly	Gln	Phe	Gly	Leu	Val	Lys	Gly	Lys	Ser	Met	Pro	Tyr	Glu	325	330	335	
Phe	Asp	Ile	Arg	Val	Pro	Phe	Tyr	Val	Arg	Gly	Pro	Asn	Val	Glu	Ala	340	345	350	
Gly	Cys	Leu	Asn	Pro	His	Ile	Val	Leu	Asn	Ile	Asp	Leu	Ala	Pro	Thr	355	360	365	
Ile	Leu	Asp	Ile	Ala	Gly	Leu	Asp	Ile	Pro	Ala	Asp	Met	Asp	Gly	Lys	370	375	380	
Ser	Ile	Leu	Lys	Leu	Leu	Asp	Thr	Glu	Arg	Pro	Val	Asn	Arg	Phe	His	385	390	395	400
Leu	Lys	Lys	Lys	Met	Arg	Val	Trp	Arg	Asp	Ser	Phe	Leu	Val	Glu	Arg	405	410	415	
Gly	Lys	Leu	Leu	His	Lys	Arg	Asp	Asn	Asp	Lys	Val	Asp	Ala	Gln	Glu	420	425	430	
Glu	Asn	Phe	Leu	Pro	Lys	Tyr	Gln	Arg	Val	Lys	Asp	Leu	Cys	Gln	Arg	435	440	445	
Ala	Glu	Tyr	Gln	Thr	Ala	Cys	Glu	Gln	Leu	Gly	Gln	Lys	Trp	Gln	Cys	450	455	460	
Val	Glu	Asp	Ala	Thr	Gly	Lys	Leu	Lys	Leu	His	Lys	Cys	Lys	Gly	Pro	465	470	475	480

Met	Arg	Leu	Gly	Gly	Ser	Arg	Ala	Leu	Ser	Asn	Leu	Val	Pro	Lys	Tyr	485	490	495	
Tyr	Gly	Gln	Gly	Ser	Glu	Ala	Cys	Thr	Cys	Asp	Ser	Gly	Asp	Tyr	Lys	500	505	510	
Leu	Ser	Leu	Ala	Gly	Arg	Arg	Lys	Lys	Leu	Phe	Lys	Lys	Lys	Tyr	Lys	515	520	525	
Ala	Ser	Tyr	Val	Arg	Xaa	Arg	Ser	Ile	Arg	Ser	Val	Ala	Ile	Glu	Val	530	535	540	
Asp	Gly	Arg	Val	Tyr	His	Val	Gly	Leu	Gly	Asp	Ala	Ala	Gln	Pro	Arg	545	550	555	560
Asn	Leu	Thr	Lys	Arg	His	Trp	Pro	Gly	Ala	Pro	Glu	Asp	Gln	Asp	Asp	565	570	575	
Lys	Asp	Gly	Gly	Asp	Phe	Ser	Gly	Thr	Gly	Gly	Leu	Pro	Asp	Tyr	Ser	580	585	590	
Ala	Ala	Asn	Pro	Ile	Lys	Val	Thr	His	Arg	Cys	Tyr	Ile	Leu	Glu	Asn	595	600	605	
Asp	Thr	Val	Gln	Cys	Asp	Leu	Asp	Leu	Tyr	Lys	Ser	Leu	Gln	Ala	Trp	610	615	620	
Lys	Asp	His	Lys	Leu	His	Ile	Asp	His	Glu	Ile	Glu	Thr	Leu	Gln	Asn	625	630	635	640
Lys	Ile	Lys	Asn	Leu	Arg	Glu	Val	Arg	Gly	His	Leu	Lys	Lys	Lys	Arg	645	650	655	
Pro	Glu	Glu	Cys	Asp	Cys	His	Lys	Ile	Ser	Tyr	His	Thr	Gln	His	Lys	660	665	670	
Gly	Arg	Leu	Lys	His	Arg	Gly	Ser	Ser	Leu	His	Pro	Phe	Arg	Lys	Gly	675	680	685	
Leu	Gln	Glu	Lys	Asp	Lys	Val	Trp	Leu	Leu	Arg	Glu	Gln	Lys	Arg	Lys	690	695	700	
Lys	Lys	Leu	Arg	Lys	Leu	Leu	Lys	Arg	Leu	Gln	Asn	Asn	Asp	Thr	Cys	705	710	715	720
Ser	Met	Pro	Gly	Leu	Thr	Cys	Phe	Thr	His	Asp	Asn	Gln	His	Trp	Gln	725	730	735	
Thr	Ala	Pro	Phe	Trp	Thr	Leu	Gly	Pro	Phe	Cys	Ala	Cys	Thr	Ser	Ala	740	745	750	
Asn	Asn	Asn	Thr	Tyr	Trp	Cys	Met	Arg	Thr	Ile	Asn	Glu	Thr	His	Asn	755	760	765	
Phe	Leu	Phe	Cys	Glu	Phe	Ala	Thr	Gly	Phe	Leu	Glu	Tyr	Phe	Asp	Leu	770	775	780	

Asn Thr Asp Pro Tyr Gln Leu Met Asn Ala Val Asn Thr Leu Asp Arg
785 790 795 800

Asp Val Leu Asn Gln Leu His Val Gln Leu Met Glu Leu Arg Ser Cys
805 810 815

Lys Gly Tyr Lys Gln Cys Asn Pro Arg Thr Arg Asn Met Asp Leu Gly
820 825 830

Leu Lys Asp Gly Gly Ser Tyr Glu Gln Tyr Arg Gln Phe Gln Arg Arg
835 840 845

Lys Trp Pro Glu Met Lys Arg Pro Ser Ser Lys Ser Leu Gly Gln Leu
850 855 860

Trp Glu Gly Trp Glu Gly
865 870

<210> 650
<211> 870
<212> PRT
<213> Homo sapiens

<400> 650
Met Gly Pro Pro Ser Leu Val Leu Cys Leu Leu Ser Ala Thr Val Phe
1 5 10 15

Ser Leu Leu Gly Gly Ser Ser Ala Phe Leu Ser His His Arg Leu Lys
20 25 30

Gly Arg Phe Gln Arg Asp Arg Arg Asn Ile Arg Pro Asn Ile Ile Leu
35 40 45

Val Leu Thr Asp Asp Gln Asp Val Glu Leu Gly Ser Met Gln Val Met
50 55 60

Asn Lys Thr Arg Arg Ile Met Glu Gln Gly Gly Ala His Phe Ile Asn
65 70 75 80

Ala Phe Val Thr Thr Pro Met Cys Cys Pro Ser Arg Ser Ser Ile Leu
85 90 95

Thr Gly Lys Tyr Val His Asn His Asn Thr Tyr Thr Asn Asn Glu Asn
100 105 110

Cys Ser Ser Pro Ser Trp Gln Ala Gln His Glu Ser Arg Thr Phe Ala
115 120 125

Val Tyr Leu Asn Ser Thr Gly Tyr Arg Thr Ala Phe Phe Gly Lys Tyr
130 135 140

Leu Asn Glu Tyr Asn Gly Ser Tyr Val Pro Pro Gly Trp Lys Glu Trp
145 150 155 160

Val	Gly	Leu	Leu	Lys	Asn	Ser	Arg	Phe	Tyr	Asn	Tyr	Thr	Leu	Cys	Arg	
				165					170					175		
Asn	Gly	Val	Lys	Glu	Lys	His	Gly	Ser	Asp	Tyr	Ser	Lys	Asp	Tyr	Leu	
			180					185					190			
Thr	Asp	Leu	Ile	Thr	Asn	Asp	Ser	Val	Ser	Phe	Phe	Arg	Thr	Ser	Lys	
		195					200					205				
Lys	Met	Tyr	Pro	His	Arg	Pro	Val	Leu	Met	Val	Ile	Ser	His	Ala	Ala	
	210					215					220					
Pro	His	Gly	Pro	Glu	Asp	Ser	Ala	Pro	Gln	Tyr	Ser	Arg	Leu	Phe	Pro	
225					230					235					240	
Asn	Ala	Ser	Gln	His	Ile	Thr	Pro	Ser	Tyr	Asn	Tyr	Ala	Pro	Asn	Pro	
				245					250					255		
Asp	Lys	His	Trp	Ile	Met	Arg	Tyr	Thr	Gly	Pro	Met	Lys	Pro	Ile	His	
			260					265					270			
Met	Glu	Phe	Thr	Asn	Met	Leu	Gln	Arg	Lys	Arg	Leu	Gln	Thr	Leu	Met	
		275					280					285				
Ser	Val	Asp	Asp	Ser	Met	Glu	Thr	Ile	Tyr	Asn	Met	Leu	Val	Glu	Thr	
	290					295					300					
Gly	Glu	Leu	Asp	Asn	Thr	Tyr	Ile	Val	Tyr	Thr	Ala	Asp	His	Gly	Tyr	
305					310					315					320	
His	Ile	Gly	Gln	Phe	Gly	Leu	Val	Lys	Gly	Lys	Ser	Met	Pro	Tyr	Glu	
				325					330					335		
Phe	Asp	Ile	Arg	Val	Pro	Phe	Tyr	Val	Arg	Gly	Pro	Asn	Val	Glu	Ala	
			340					345					350			
Gly	Cys	Leu	Asn	Pro	His	Ile	Val	Leu	Asn	Ile	Asp	Leu	Ala	Pro	Thr	
		355					360					365				
Ile	Leu	Asp	Ile	Ala	Gly	Leu	Asp	Ile	Pro	Ala	Asp	Met	Asp	Gly	Lys	
	370					375					380					
Ser	Ile	Leu	Lys	Leu	Leu	Asp	Thr	Glu	Arg	Pro	Val	Asn	Arg	Phe	His	
385					390					395					400	
Leu	Lys	Lys	Lys	Met	Arg	Val	Trp	Arg	Asp	Ser	Phe	Leu	Val	Glu	Arg	
				405					410					415		
Gly	Lys	Leu	Leu	His	Lys	Arg	Asp	Asn	Asp	Lys	Val	Asp	Ala	Gln	Glu	
			420					425					430			
Glu	Asn	Phe	Leu	Pro	Lys	Tyr	Gln	Arg	Val	Lys	Asp	Leu	Cys	Gln	Arg	
		435					440					445				
Ala	Glu	Tyr	Gln	Thr	Ala	Cys	Glu	Gln	Leu	Gly	Gln	Lys	Trp	Gln	Cys	
	450					455					460					

Val	Glu	Asp	Ala	Thr	Gly	Lys	Leu	Lys	Leu	His	Lys	Cys	Lys	Gly	Pro	465	470	475	480
Met	Arg	Leu	Gly	Gly	Ser	Arg	Ala	Leu	Ser	Asn	Leu	Val	Pro	Lys	Tyr		485	490	495
Tyr	Gly	Gln	Gly	Ser	Glu	Ala	Cys	Thr	Cys	Asp	Ser	Gly	Asp	Tyr	Lys		500	505	510
Leu	Ser	Leu	Ala	Gly	Arg	Arg	Lys	Lys	Leu	Phe	Lys	Lys	Lys	Tyr	Lys		515	520	525
Ala	Ser	Tyr	Val	Arg	Ser	Arg	Ser	Ile	Arg	Ser	Val	Ala	Ile	Glu	Val		530	535	540
Asp	Gly	Arg	Val	Tyr	His	Val	Gly	Leu	Gly	Asp	Ala	Ala	Gln	Pro	Arg	545	550	555	560
Asn	Leu	Thr	Lys	Arg	His	Trp	Pro	Gly	Ala	Pro	Glu	Asp	Gln	Asp	Asp		565	570	575
Lys	Asp	Gly	Gly	Asp	Phe	Ser	Gly	Thr	Gly	Gly	Leu	Pro	Asp	Tyr	Ser		580	585	590
Ala	Ala	Asn	Pro	Ile	Lys	Val	Thr	His	Arg	Cys	Tyr	Ile	Leu	Glu	Asn		595	600	605
Asp	Thr	Val	Gln	Cys	Asp	Leu	Asp	Leu	Tyr	Lys	Ser	Leu	Gln	Ala	Trp	610	615	620	
Lys	Asp	His	Lys	Leu	His	Ile	Asp	His	Glu	Ile	Glu	Thr	Leu	Gln	Asn	625	630	635	640
Lys	Ile	Lys	Asn	Leu	Arg	Glu	Val	Arg	Gly	His	Leu	Lys	Lys	Lys	Arg		645	650	655
Pro	Glu	Glu	Cys	Asp	Cys	His	Lys	Ile	Ser	Tyr	His	Thr	Gln	His	Lys		660	665	670
Gly	Arg	Leu	Lys	His	Arg	Gly	Ser	Ser	Leu	His	Pro	Phe	Arg	Lys	Gly		675	680	685
Leu	Gln	Glu	Lys	Asp	Lys	Val	Trp	Leu	Leu	Arg	Glu	Gln	Lys	Arg	Lys	690	695	700	
Lys	Lys	Leu	Arg	Lys	Leu	Leu	Lys	Arg	Leu	Gln	Asn	Asn	Asp	Thr	Cys	705	710	715	720
Ser	Met	Pro	Gly	Leu	Thr	Cys	Phe	Thr	His	Asp	Asn	Gln	His	Trp	Gln		725	730	735
Thr	Ala	Pro	Phe	Trp	Thr	Leu	Gly	Pro	Phe	Cys	Ala	Cys	Thr	Ser	Ala		740	745	750
Asn	Asn	Asn	Thr	Tyr	Trp	Cys	Met	Arg	Thr	Ile	Asn	Glu	Thr	His	Asn	755	760	765	

Phe Leu Phe Cys Glu Phe Ala Thr Gly Phe Leu Glu Tyr Phe Asp Leu
 770 775 780
 Asn Thr Asp Pro Tyr Gln Leu Met Asn Ala Val Asn Thr Leu Asp Arg
 785 790 795 800
 Asp Val Leu Asn Gln Leu His Val Gln Leu Met Glu Leu Arg Ser Cys
 805 810 815
 Lys Gly Tyr Lys Gln Cys Asn Pro Arg Thr Arg Asn Met Asp Leu Gly
 820 825 830
 Leu Lys Asp Gly Gly Ser Tyr Glu Gln Tyr Arg Gln Phe Gln Arg Arg
 835 840 845
 Lys Trp Pro Glu Met Lys Arg Pro Ser Ser Lys Ser Leu Gly Gln Leu
 850 855 860
 Trp Glu Gly Trp Glu Gly
 865 870

<210> 651
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 651
 Met Met Pro Leu Leu Ser Leu Ile Phe Ser Ala Leu Phe Ile Leu Phe
 1 5 10 15
 Gly Thr Val Ile Val Gln Ala Phe Ser Asp Ser Asn Asp Glu Arg Glu
 20 25 30
 Ser Ser Pro Pro Glu Lys Glu Glu Ala Gln Glu Lys Thr Gly Lys Thr
 35 40 45
 Glu Pro Ser Phe Thr Lys Glu Asn Ser Ser Lys Ile Pro Lys Lys Gly
 50 55 60
 Phe Val Glu Val Thr Glu Leu Thr Asp Val Thr Tyr Thr Ser Asn Leu
 65 70 75 80
 Val Arg Leu Arg Pro Gly His Met Asn Val Val Leu Ile Leu Ser Asn
 85 90 95
 Ser Thr Lys Thr Ser Leu Leu Gln Lys Phe Ala Leu Glu Val Tyr Thr
 100 105 110
 Phe Thr Gly Ser Ser Cys Leu His Phe Ser Phe Leu Ser Leu Asp Lys
 115 120 125
 His Arg Glu Trp Leu Glu Tyr Leu Leu Glu Phe Ala Gln Asp Ala Ala
 130 135 140
 Pro Ile Pro Asn Gln Tyr Asp Lys His Phe Met Glu Arg Asp Tyr Thr

145		150		155		160
Gly Tyr Val Leu	Ala Leu Asn Gly His	Lys Lys Tyr Phe	Cys Leu Phe			
	165	170	175			
Lys Pro Gln Lys	Thr Val Glu Glu Glu Glu	Ala Ile Gly Ser	Cys Ser			
	180	185	190			
Asp Val Asp Ser	Ser Leu Tyr Leu Gly Glu Ser Arg					
	195	200				

<210> 652
 <211> 332
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (204)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (283)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (305)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 652
 Met Glu Val Arg Lys Leu Ser Ile Ser Trp Gln Phe Leu Ile Val Leu
 1 5 10 15
 Val Leu Ile Leu Gln Ile Leu Ser Ala Leu Asp Phe Asp Pro Tyr Arg
 20 25 30
 Val Leu Gly Val Ser Arg Thr Ala Ser Gln Ala Asp Ile Lys Lys Ala
 35 40 45
 Tyr Lys Lys Leu Ala Arg Glu Trp His Pro Asp Lys Asn Lys Asp Pro
 50 55 60
 Gly Ala Glu Asp Lys Phe Ile Gln Ile Ser Lys Ala Tyr Glu Ile Leu
 65 70 75 80
 Ser Asn Glu Glu Lys Arg Ser Asn Tyr Asp Gln Tyr Gly Asp Ala Gly
 85 90 95
 Glu Asn Gln Gly Tyr Gln Lys Gln Gln Gln Gln Arg Glu Tyr Arg Phe
 100 105 110
 Arg His Phe His Glu Asn Phe Tyr Phe Asp Glu Ser Phe Phe His Phe
 115 120 125

Pro Phe Asn Ser Glu Arg Arg Asp Ser Ile Asp Glu Lys Tyr Leu Leu
 130 135 140
 His Phe Ser His Tyr Val Asn Glu Val Val Pro Asp Ser Phe Lys Lys
 145 150 155 160
 Pro Tyr Leu Ile Lys Ile Thr Ser Asp Trp Cys Phe Ser Cys Ile His
 165 170 175
 Ile Glu Pro Val Trp Lys Glu Val Ile Gln Glu Leu Glu Glu Leu Gly
 180 185 190
 Val Gly Ile Gly Val Val His Ala Gly Tyr Glu Xaa Arg Leu Ala His
 195 200 205
 His Leu Gly Ala His Ser Thr Pro Ser Ile Leu Gly Ile Ile Asn Gly
 210 215 220
 Lys Ile Ser Phe Phe His Asn Ala Val Val Arg Glu Asn Leu Arg Gln
 225 230 235 240
 Phe Val Glu Ser Leu Leu Pro Gly Asn Leu Val Glu Lys Val Thr Asn
 245 250 255
 Lys Asn Tyr Val Arg Phe Leu Ser Gly Trp Gln Gln Glu Asn Lys Pro
 260 265 270
 His Val Leu Leu Phe Asp Gln Thr Pro Ile Xaa Pro Leu Leu Tyr Lys
 275 280 285
 Leu Thr Ala Phe Ala Tyr Lys Asp Tyr Leu Ser Phe Gly Tyr Val Tyr
 290 295 300
 Xaa Gly Leu Arg Gly Thr Glu Glu Met Thr Arg Arg Tyr Asn Ile Asn
 305 310 315 320
 Ile Tyr Ala Pro Thr Leu Leu Ala Leu Lys Asn Ile
 325 330

<210> 653
 <211> 737
 <212> PRT
 <213> Homo sapiens

<400> 653

Met Glu Val Arg Lys Leu Ser Ile Ser Trp Gln Phe Leu Ile Val Leu
 1 5 10 15
 Val Leu Ile Leu Gln Ile Leu Ser Ala Leu Asp Phe Asp Pro Tyr Arg
 20 25 30
 Val Leu Gly Val Ser Arg Thr Ala Ser Gln Ala Asp Ile Lys Lys Ala
 35 40 45

Tyr	Lys	Lys	Leu	Ala	Arg	Glu	Trp	His	Pro	Asp	Lys	Asn	Lys	Asp	Pro
	50					55					60				
Gly	Ala	Glu	Asp	Lys	Phe	Ile	Gln	Ile	Ser	Lys	Ala	Tyr	Glu	Ile	Leu
65					70					75					80
Ser	Asn	Glu	Glu	Lys	Arg	Ser	Asn	Tyr	Asp	Gln	Tyr	Gly	Asp	Ala	Gly
				85					90					95	
Glu	Asn	Gln	Gly	Tyr	Gln	Lys	Gln	Gln	Gln	Gln	Arg	Glu	Tyr	Arg	Phe
			100				105						110		
Arg	His	Phe	His	Glu	Asn	Phe	Tyr	Phe	Asp	Glu	Ser	Phe	Phe	His	Phe
		115					120					125			
Pro	Phe	Asn	Ser	Glu	Arg	Arg	Asp	Ser	Ile	Asp	Glu	Lys	Tyr	Leu	Leu
	130					135					140				
His	Phe	Ser	His	Tyr	Val	Asn	Glu	Val	Val	Pro	Asp	Ser	Phe	Lys	Lys
145					150					155					160
Pro	Tyr	Leu	Ile	Lys	Ile	Thr	Ser	Asp	Trp	Cys	Phe	Ser	Cys	Ile	His
				165					170					175	
Ile	Glu	Pro	Val	Trp	Lys	Glu	Val	Ile	Gln	Glu	Leu	Glu	Glu	Leu	Gly
			180					185					190		
Val	Gly	Ile	Gly	Val	Val	His	Ala	Gly	Tyr	Glu	Arg	Arg	Leu	Ala	His
		195					200					205			
His	Leu	Gly	Ala	His	Ser	Thr	Pro	Ser	Ile	Leu	Gly	Ile	Ile	Asn	Gly
	210					215					220				
Lys	Ile	Ser	Phe	Phe	His	Asn	Ala	Val	Val	Arg	Glu	Asn	Leu	Arg	Gln
225					230					235					240
Phe	Val	Glu	Ser	Leu	Leu	Pro	Gly	Asn	Leu	Val	Glu	Lys	Val	Thr	Asn
				245					250					255	
Lys	Asn	Tyr	Val	Arg	Phe	Leu	Ser	Gly	Trp	Gln	Gln	Glu	Asn	Lys	Pro
			260					265					270		
His	Val	Leu	Leu	Phe	Asp	Gln	Thr	Pro	Ile	Val	Pro	Leu	Leu	Tyr	Lys
		275					280					285			
Leu	Thr	Ala	Phe	Ala	Tyr	Lys	Asp	Tyr	Leu	Ser	Phe	Gly	Tyr	Val	Tyr
	290					295					300				
Val	Gly	Leu	Arg	Gly	Thr	Glu	Glu	Met	Thr	Arg	Arg	Tyr	Asn	Ile	Asn
305					310					315					320
Ile	Tyr	Ala	Pro	Thr	Leu	Leu	Val	Phe	Lys	Glu	His	Ile	Asn	Arg	Pro
				325					330					335	
Ala	Asp	Val	Ile	Gln	Ala	Arg	Gly	Met	Lys	Lys	Gln	Ile	Ile	Asp	Asp
			340					345					350		

Phe	Ile	Thr	Arg	Asn	Lys	Tyr	Leu	Leu	Ala	Ala	Arg	Leu	Thr	Ser	Gln	
		355					360					365				
Lys	Leu	Phe	His	Glu	Leu	Cys	Pro	Val	Lys	Arg	Ser	His	Arg	Gln	Arg	
	370					375					380					
Lys	Tyr	Cys	Val	Val	Leu	Leu	Thr	Ala	Glu	Thr	Thr	Lys	Leu	Ser	Lys	
385					390					395					400	
Pro	Phe	Glu	Ala	Phe	Leu	Ser	Phe	Ala	Leu	Ala	Asn	Thr	Gln	Asp	Thr	
				405					410					415		
Val	Arg	Phe	Val	His	Val	Tyr	Ser	Asn	Arg	Gln	Gln	Glu	Phe	Ala	Asp	
			420					425					430			
Thr	Leu	Leu	Pro	Asp	Ser	Glu	Ala	Phe	Gln	Gly	Lys	Ser	Ala	Val	Ser	
		435					440					445				
Ile	Leu	Glu	Arg	Arg	Asn	Thr	Ala	Gly	Arg	Val	Val	Tyr	Lys	Thr	Leu	
	450					455					460					
Glu	Asp	Pro	Trp	Ile	Gly	Ser	Glu	Ser	Asp	Lys	Phe	Ile	Leu	Leu	Gly	
465					470					475					480	
Tyr	Leu	Asp	Gln	Leu	Arg	Lys	Asp	Pro	Ala	Leu	Leu	Ser	Ser	Glu	Ala	
				485					490					495		
Val	Leu	Pro	Asp	Leu	Thr	Asp	Glu	Leu	Ala	Pro	Val	Phe	Leu	Leu	Arg	
			500					505					510			
Trp	Phe	Tyr	Ser	Ala	Ser	Asp	Tyr	Ile	Ser	Asp	Cys	Trp	Asp	Ser	Ile	
		515					520					525				
Phe	His	Asn	Asn	Trp	Arg	Glu	Met	Met	Pro	Leu	Leu	Ser	Leu	Ile	Phe	
		530				535					540					
Ser	Ala	Leu	Phe	Ile	Leu	Phe	Gly	Thr	Val	Ile	Val	Gln	Ala	Phe	Ser	
545					550					555					560	
Asp	Ser	Asn	Asp	Glu	Arg	Glu	Ser	Ser	Pro	Pro	Glu	Lys	Glu	Glu	Ala	
				565					570					575		
Gln	Glu	Lys	Thr	Gly	Lys	Thr	Glu	Pro	Ser	Phe	Thr	Lys	Glu	Asn	Ser	
			580					585					590			
Ser	Lys	Ile	Pro	Lys	Lys	Gly	Phe	Val	Glu	Val	Thr	Glu	Leu	Thr	Asp	
		595					600					605				
Val	Thr	Tyr	Thr	Ser	Asn	Leu	Val	Arg	Leu	Arg	Pro	Gly	His	Met	Asn	
						615					620					
Val	Val	Leu	Ile	Leu	Ser	Asn	Ser	Thr	Lys	Thr	Ser	Leu	Leu	Gln	Lys	
625					630					635					640	
Phe	Ala	Leu	Glu	Val	Tyr	Thr	Phe	Thr	Gly	Ser	Ser	Cys	Leu	His	Phe	
				645					650					655		

Ser Phe Leu Ser Leu Asp Lys His Arg Glu Trp Leu Glu Tyr Leu Leu
660 665 670

Glu Phe Ala Gln Asp Ala Ala Pro Ile Pro Asn Gln Tyr Asp Lys His
675 680 685

Phe Met Glu Arg Asp Tyr Thr Gly Tyr Val Leu Ala Leu Asn Gly His
690 695 700

Lys Lys Tyr Phe Cys Leu Phe Lys Pro Gln Lys Thr Val Glu Glu Glu
705 710 715 720

Glu Ala Ile Gly Ser Cys Ser Asp Val Asp Ser Ser Leu Tyr Leu Gly
725 730 735

Glu

<210> 654
<211> 42
<212> PRT
<213> Homo sapiens

<400> 654
Met Asn Ser Ser Phe Phe Ile Ser Leu Pro Ala Leu Ile Trp Ser Val
1 5 10 15

Cys Leu Ile Leu Gly Trp Trp Gln Val Ser Ser Gly Lys Val Ala His
20 25 30

Cys Gly Phe Ile Phe Cys Phe Pro Asn Asn
35 40

<210> 655
<211> 111
<212> PRT
<213> Homo sapiens

<400> 655
Cys Gly Ser His Arg Met Ser Trp Lys Met Tyr Cys Pro Leu His Phe
1 5 10 15

Ser Gly Arg Val Cys Glu Glu Leu Lys Phe Phe Phe Ser Phe Phe Phe
20 25 30

Phe Leu Arg Arg Ser Leu Thr Pro Ala Gln Ala Thr Ala Gly Asp Ser
35 40 45

Val Ser Lys Lys Gln Arg Glu Glu Arg Lys Lys Glu Lys Lys Glu Gly
50 55 60

Arg Arg Lys Glu Gly Arg Asn Glu Gly Thr Lys Glu Gly Arg Lys Arg
65 70 75 80

Lys Glu Gly Arg Lys Lys Glu Arg Glu Arg Glu Arg Lys Lys Glu Arg
85 90 95

Lys Lys Glu Arg Lys Lys Glu Lys Lys Lys Lys Lys Thr Gly Thr
100 105 110

<210> 656
<211> 42
<212> PRT
<213> Homo sapiens

<400> 656
Met Asn Ser Ser Phe Phe Ile Ser Leu Pro Ala Leu Ile Trp Ser Val
1 5 10 15

Cys Leu Ile Leu Gly Trp Trp Gln Val Ser Ser Gly Lys Val Ala His
20 25 30

Cys Gly Phe Ile Phe Cys Phe Pro Asn Asn
35 40

<210> 657
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 657
Met Pro Val Phe Val Cys Ser Ile Gly Leu Cys Phe Leu Phe Ser Ile
1 5 10 15

Leu Leu Leu Phe Pro Pro Phe Gln Phe Ser Tyr Ile Cys Trp Leu Ser
20 25 30

Gln	Ala	Ser	Val	Tyr	Ser	Pro	Ser	Pro	Ser	Leu	Ser	Asn	Leu	Glu	Val
	35						40					45			
Leu	Leu	Cys	Leu	Ser	Ile	Leu	Leu	Met	Ile	Ile	Phe	Pro	Phe	Leu	Ile
	50					55					60				
Ser	Ile	Xaa	Xaa	Ile	Xaa	Ser	Ile	Gly	Arg	Leu	Ser	Thr	His	Met	Gly
65					70					75					80
Ala	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	Xaa
				85					90					95	
Val	Cys	Tyr	Trp	Pro	Leu	Leu	Leu	Ile	Ser	Gln	Glu	Asn	Glu	Pro	Phe
			100					105					110		
Arg	Met	Phe	Leu	Pro	Leu	His	Ser	Ala	Leu	Thr	Gln	Asn	Phe	Cys	Ser
		115					120					125			

<210> 658
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 658															
Met	Pro	Val	Phe	Val	Cys	Ser	Ile	Gly	Leu	Cys	Phe	Leu	Phe	Ser	Ile
1				5					10					15	
Leu	Leu	Leu	Phe	Pro	Pro	Phe	Gln	Phe	Ser	Tyr	Ile	Cys	Trp	Leu	Ser
			20					25					30		
Gln	Ala	Ser	Val	Tyr	Ser	Pro	Ser	Pro	Ser	Leu	Ser	Asn	Leu	Glu	Val
		35					40					45			
Leu	Leu	Cys	Leu	Ser	Ile	Leu	Leu	Met	Ile	Ile	Phe	Pro	Phe	Leu	Ile
	50					55					60				
Ser	Ile	Ile	His	Ile	Phe	Ser	Ile	Gly	Arg	Leu	Ser	Thr	His	Met	Gly
65					70					75					80
Ala	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	Gln
				85					90					95	
Val	Cys	Tyr	Trp	Pro	Leu	Leu	Leu	Ile	Ser	Gln	Glu	Asn	Glu	Pro	Phe
			100					105					110		
Arg	Met	Phe	Leu	Pro	Leu	His	Ser	Ala	Leu	Thr	Gln	Asn	Phe	Cys	Ser
		115					120					125			

<210> 659
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 659
Met Ser Trp Arg Val Trp Ala Leu Xaa Phe Phe Pro Ala Val Cys Val
1 5 10 15
Cys Xaa Cys Val Cys Val Tyr Thr
20

<210> 660
<211> 65
<212> PRT
<213> Homo sapiens

<400> 660
Val Leu Met Arg Ser Asp Gly Phe Ile Arg Gly Phe Ser Pro Phe Cys
1 5 10 15
Trp Ala Leu Leu Leu Leu Pro Pro Arg Glu Glu Gly Cys Val Cys Phe
20 25 30
Pro Phe Cys His Asp Cys Lys Phe Pro Val Ala Ser Pro Ser Leu Arg
35 40 45
Asn Cys Glu Ser Ile Lys Ala Leu Phe Phe Ile Lys Lys Lys Lys Lys
50 55 60
Asn
65

<210> 661
<211> 38
<212> PRT
<213> Homo sapiens

<400> 661
Met Ser Trp Arg Val Trp Ala Leu Leu Phe Phe Pro Ala Val Cys Val
1 5 10 15

Cys Val Cys Val Cys Val Cys Ala Cys Thr Arg Thr Arg Val Cys Asp
20 25 30

Glu Thr Ile Lys Leu Val
35

<210> 662
<211> 37
<212> PRT
<213> Homo sapiens

<400> 662
Met Val Glu Ser Pro Val Cys Gly Leu Leu Glu Gly Trp Phe Phe Leu
1 5 10 15

Leu Phe Ser Leu Ala Phe Leu Ser Thr His Leu Phe Ser Glu Ala Ser
20 25 30

Pro Leu Ser Ile Leu
35

<210> 663
<211> 37
<212> PRT
<213> Homo sapiens

<400> 663
Met Val Glu Ser Pro Val Cys Gly Leu Leu Glu Gly Trp Phe Phe Leu
1 5 10 15

Leu Phe Ser Leu Ala Phe Leu Ser Thr His Leu Phe Ser Glu Ala Ser
20 25 30

Pro Leu Ser Ile Leu
35

<210> 664
<211> 58
<212> PRT
<213> Homo sapiens

<400> 664
Met Thr Leu Ser Val Leu Gln His Phe Phe Ile Cys Val Leu Leu Ile
1 5 10 15

Leu Leu Leu Asp Thr Asn Leu Cys Arg Gln Ile Ser Ser His Ser Phe
20 25 30

Glu Phe Ser Gly Asn Gln Pro Leu Val Phe Cys Cys Ile Ser Ser Ile
35 40 45

Ser Ala Lys Leu Val Leu Asp Gln Ala Gly
50 55

<210> 665
<211> 2
<212> PRT
<213> Homo sapiens

<400> 665
Leu Glu
1

<210> 666
<211> 58
<212> PRT
<213> Homo sapiens

<400> 666
Met Thr Leu Ser Val Leu Gln His Phe Phe Ile Cys Val Leu Leu Ile
1 5 10 15
Leu Leu Leu Asp Thr Asn Leu Cys Arg Gln Ile Ser Ser His Ser Phe
20 25 30
Glu Phe Ser Gly Asn Gln Pro Leu Val Phe Cys Cys Ile Ser Ser Ile
35 40 45
Ser Ala Lys Leu Val Leu Asp Gln Ala Gly
50 55

<210> 667
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 667
Val Ala Gln Val Gln Val Pro Gly Gly His Ile Gly Leu Gly Tyr Leu
1 5 10 15
Ala Arg Ile Asp Phe His Arg Arg Asp Gly Thr Gly Gly Ile Pro Ala
20 25 30
Arg Ile Asp Gly Gly Glu Ile Asp Val Ala Leu Leu Pro Gly Gln Ala
35 40 45
Val Asp His Ile Met Ala Arg Ala Cys Gly Gly Glu His Leu Ala Glu
50 55 60
Val Gly Arg Gly Thr Val Gln Gly Leu Leu Gly Arg Ala Val Leu Ala
65 70 75 80
Ala Gln Ala Arg Arg Ala Pro Pro Xaa Gln Pro Leu Pro Ala Thr Met
85 90 95
Gly Phe Trp Gly Trp Lys Xaa Xaa Pro Asn Arg Gly Leu Trp Phe Lys
100 105 110
Xaa Trp Lys Pro Pro Phe Gly Ala Xaa Gly Val Pro
115 120

<210> 668
<211> 283
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (174)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (189)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (205)
<223> Xaa equals any of the naturally occurring L-amino acids

Met 1	Lys	Ile	Val	Pro 5	Leu	Thr	Ala	Ala	Val 10	Leu	Ala	Leu	Val	Leu 15	Ala
Pro	Ala	Ala	His 20	Ala	Gln	Pro	Ala	Asn 25	Lys	Ala	Thr	Thr	Val 30	Ser	Pro
Thr	Ala	Ala	Ala 35	Phe	Leu	Ala	Gln 40	Phe	Ala	Thr	Glu	Gly 45	Asn	Asp	Ser
Val	Ser 50	Trp	Ala	Gln	Phe	Glu 55	Ala	Phe	Arg	Lys	Gln 60	Arg	Tyr	Ala	Asp
Thr 65	Asp	Arg	Asn	Gln	Asp 70	Gly	His	Val	Asp	Glu 75	Gln	Glu	Tyr	Val	Asp 80
Glu	Tyr	Leu	Gln 85	Arg	Phe	Asp	Val	Arg	Leu 90	Ala	Asp	Ala	Arg	Ala 95	Gly
His	Leu	Arg	Gln 100	Thr	Asp	Thr	Arg	Phe 105	Lys	Ala	Leu	Asp 110	Arg	Asp	Gly
Asn	Gly	Ala 115	Ile	Ser	Arg	Ala	Glu 120	Tyr	Asp	Ala	Ala	Gly 125	Glu	Arg	Thr
Trp 130	Ala	Gly	Tyr	Glu	Arg	Ser 135	Gln	Asn	Ala	Thr	Gln 140	Glu	Thr	Ala	Ala
Ala 145	Ser	Ser	Arg	Asp	Pro 150	Leu	Lys	Met	Pro	Thr 155	Ser	His	Thr	Ala	Asn 160
Gly	Met	Leu	Asp	Leu 165	Tyr	Asp	Arg	Asn 170	Lys	Asp	Gly	Ala	Xaa	Asp 175	Arg
Glu	Glu	Phe	Asp 180	Ala	Val	Arg	Ala 185	Ala	Ser	Phe	Ala	Xaa 190	Thr	Asp	Thr
Asp	Gly 195	Asn	Gly	Thr	Leu	Ser	Leu 200	Ala	Glu	Tyr	Thr	Xaa 205	Glu	Phe	Glu
Gly 210	Arg	Leu	Asp	Gln	Gln	Arg 215	Gln	Arg	Val	Arg	Ala 220	Asp	Ala	Glu	Arg
Gln 225	Ala	Arg	Val	Arg	Phe 230	Ala	Ser	Leu	Asp	Lys 235	Asp	Thr	Asp	Gly	Arg 240
Met	Thr	Phe	Ala	Glu 245	Tyr	Gln	Leu	Ser	Gly 250	Lys	Arg	Met	Phe	Asp 255	Arg
Ala	Asp	Ser	Asn 260	Gly	Asp	Gly	Val	Val 265	Asp	Ala	Arg	Asp	Pro 270	Glu	Pro
Val	Ala	Gly 275	Ala	His	Ser	Ala	Asn 280	Gly	Asn	Arg					

<210> 669
<211> 283
<212> PRT
<213> Homo sapiens

<400> 669

Met	Lys	Ile	Val	Pro	Leu	Thr	Ala	Ala	Val	Leu	Ala	Leu	Val	Leu	Ala	
1				5					10					15		
Pro	Ala	Ala	His	Ala	Gln	Pro	Ala	Asn	Lys	Ala	Thr	Thr	Val	Ser	Pro	
			20					25					30			
Thr	Ala	Ala	Ala	Phe	Leu	Ala	Gln	Phe	Ala	Thr	Glu	Gly	Asn	Asp	Ser	
			35				40					45				
Val	Ser	Trp	Ala	Gln	Phe	Glu	Ala	Phe	Arg	Lys	Gln	Arg	Tyr	Ala	Asp	
	50					55					60					
Thr	Asp	Arg	Asn	Gln	Asp	Gly	His	Val	Asp	Glu	Gln	Glu	Tyr	Val	Asp	
65					70					75					80	
Glu	Tyr	Leu	Gln	Arg	Phe	Asp	Val	Arg	Leu	Ala	Asp	Ala	Arg	Ala	Gly	
				85					90					95		
His	Leu	Arg	Gln	Thr	Asp	Thr	Arg	Phe	Lys	Ala	Leu	Asp	Arg	Asp	Gly	
			100					105					110			
Asn	Gly	Ala	Ile	Ser	Arg	Ala	Glu	Tyr	Asp	Ala	Ala	Gly	Glu	Arg	Thr	
	115						120					125				
Trp	Ala	Gly	Tyr	Glu	Arg	Ser	Gln	Asn	Ala	Thr	Gln	Glu	Thr	Ala	Ala	
	130					135					140					
Ala	Ser	Ser	Arg	Asp	Pro	Leu	Lys	Met	Pro	Thr	Ser	His	Thr	Ala	Asn	
145					150					155					160	
Gly	Met	Leu	Asp	Leu	Tyr	Asp	Arg	Asn	Lys	Asp	Gly	Ala	Val	Asp	Arg	
			165						170					175		
Glu	Glu	Phe	Asp	Ala	Val	Arg	Ala	Ala	Ser	Phe	Ala	Ala	Thr	Asp	Thr	
			180					185					190			
Asp	Gly	Asn	Gly	Thr	Leu	Ser	Leu	Ala	Glu	Tyr	Thr	Ala	Glu	Phe	Glu	
	195						200					205				
Gly	Arg	Leu	Asp	Gln	Gln	Arg	Gln	Arg	Val	Arg	Ala	Asp	Ala	Glu	Arg	
	210					215					220					
Gln	Ala	Arg	Val	Arg	Phe	Ala	Ser	Leu	Asp	Lys	Asp	Thr	Asp	Gly	Arg	
225					230					235					240	
Met	Thr	Phe	Ala	Glu	Tyr	Gln	Leu	Ser	Gly	Lys	Arg	Met	Phe	Asp	Arg	
			245						250					255		
Ala	Asp	Ser	Asn	Gly	Asp	Gly	Val	Val	Asp	Ala	Arg	Asp	Pro	Glu	Pro	
			260					265					270			

Val Ala Gly Ala His Ser Ala Asn Gly Asn Arg
275 280

<210> 670
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 670
Asn Leu Trp Xaa Ala His Phe Phe Leu Asn Xaa Ser Ser Ile Gln Ile
1 5 10 15

Glu Tyr Pro Pro Leu Ser Lys Met Leu Glu Thr Pro Lys Gly Lys Gly
20 25 30

Trp Phe Phe Gly Glu Phe Phe Phe Trp Val Phe Leu Phe Phe Leu Gly
35 40 45

Phe Ala Phe Gly Phe Trp Asn Ser Leu Phe Val Leu Tyr Leu Phe Val
50 55 60

Gly His Pro Lys Ser Glu Ile Cys Ser Lys Ile Gln Asn Val Lys Cys
65 70 75 80

Ser Ser Glu His Phe Leu
85

<210> 671
<211> 57
<212> PRT
<213> Homo sapiens

<400> 671
Met Gly Leu Leu Pro Gly Trp Leu Leu Leu Trp Ala Arg Leu Lys Cys
1 5 10 15

Phe Cys Ala Val Gly Leu Gly Ser Leu Ala Ala Val Tyr Gly Arg Gly
20 25 30

Pro Gly Leu Pro Gln Asp Gln Leu Asp Cys Val Leu Trp Asp Cys Gly
35 40 45

Thr Leu Gly Leu Tyr Arg Gly Gln Phe

<210> 672
 <211> 12
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 672
 Leu Phe Ser Gly Trp Leu Val Xaa Leu Cys Gly Val
 1 5 10

<210> 673
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 673
 Met Gly Glu Thr Leu Val Ser Val Phe Leu Lys Pro Pro Ala Leu Thr
 1 5 10 15

Trp Leu Leu Arg Ala Ile Cys Leu Met Val Gln Thr Trp Ala Xaa Gly
 20 25 30

Gln Arg Ser Trp Pro Gln Ser Leu Ala Leu Pro Cys Tyr Leu Asn Arg
 35 40 45

<210> 674
 <211> 29
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 674
Met Leu Xaa Ser Asn Ser Phe Ser Pro Ser Leu Ser Xaa Tyr Leu Cys
1 5 10 15
Xaa Leu Xaa Phe Ser Leu Xaa Ser Ser Lys Ser Ser Lys
20 25

<210> 675
<211> 29
<212> PRT
<213> Homo sapiens

<400> 675
Met Leu Cys Ser Asn Ser Phe Ser Pro Ser Leu Ser Val Tyr Leu Cys
1 5 10 15
Ser Leu Cys Phe Ser Leu Val Ser Ser Lys Ser Ser Lys
20 25

<210> 676
<211> 57
<212> PRT
<213> Homo sapiens

<400> 676
Met Pro Pro His Arg Gln Thr Asp Gly Gln Met Gly Leu Pro Ala Pro
1 5 10 15
Ala Leu Trp Val Trp Gly Leu Leu Leu Ser Ser Ser Phe Gln Thr Leu
20 25 30
Leu Pro Ala Phe Pro Lys Pro Pro Ala Leu Asn Leu Gly Cys Ser Thr
35 40 45
Arg Pro Ile Pro Ser Phe Leu Lys Ile

50

55

<210> 677
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 677
 Gln Val Ser Leu Pro Thr Arg Leu Leu Gln Met Pro Gly Met Gly Leu
 1 5 10 15
 Asp Ser Arg Phe Gln Ala Trp Xaa Pro Ser Pro Tyr Leu Gly Pro Gln
 20 25 30
 Pro Arg Ala Pro Arg Pro Gly Leu Gln Pro Gly Pro Ser Leu Arg Gly
 35 40 45
 Ala Glu Phe Arg Glu Ser Cys Pro Arg Ser Gln Lys Arg Gly Arg Glu
 50 55 60
 Xaa Gly Arg Pro Cys Pro Gly Cys Arg Pro Gly Gly Trp Gly Leu Pro
 65 70 75 80
 Ala Arg Leu Gly Gln Pro Gln Leu Gln Thr Gly Pro Gly
 85 90

<210> 678
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 678
 Met Pro Pro His Arg Gln Thr Asp Gly Gln Met Gly Leu Pro Ala Pro
 1 5 10 15
 Ala Leu Trp Val Trp Gly Leu Leu Leu Ser Ser Ser Phe Gln Thr Leu
 20 25 30
 Leu Pro Ala Phe Pro Lys Pro Pro Ala Leu Asn Leu Gly Cys Ser Thr
 35 40 45
 Arg Pro Ile Pro Ser Phe Leu Lys Ile
 50 55

<210> 679
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 679
Met Val Gly Arg Cys Ser Ile Leu Ser Ser Thr Pro Xaa Arg His Pro
1 5 10 15

Ser Leu Ser Trp Glu Gly Leu Gly Gly
20 25

<210> 680
<211> 25
<212> PRT
<213> Homo sapiens

<400> 680
Met Val Gly Arg Cys Ser Ile Leu Ser Ser Thr Pro Gln Arg His Pro
1 5 10 15

Ser Leu Ser Trp Glu Gly Leu Gly Gly
20 25

<210> 681
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 681
Met Gly Thr Gln Gly Cys Pro His Pro Ser Trp Leu Xaa Leu Leu Gly
1 5 10 15

Leu Ser

<210> 682
<211> 30

<212> PRT

<213> Homo sapiens

<400> 682

Met Gly Thr Gln Gly Cys Pro His Pro Ser Trp Leu Leu Leu Leu Gly
1 5 10 15

Leu Ser Trp Trp Gly Glu Gly Asp Gly Ala Val Gly Pro Cys
20 25 30

<210> 683

<211> 10

<212> PRT

<213> Homo sapiens

<400> 683

Ser Leu Leu Glu Leu Gly Leu Gly Pro Leu
1 5 10

<210> 684

<211> 206

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 684

Asp Xaa Xaa Pro Gly Ala Tyr Ala Gly Phe Arg Pro Asn Ala Asn Arg
1 5 10 15

Ile Ser Phe Pro Val Phe Arg Asn Asn Val Cys Pro Trp Pro Glu Ala
20 25 30

Leu Arg Ser Ala Pro Lys Leu Leu Xaa Leu Asp Glu Pro Met Gly Ala
35 40 45

Leu Asp Lys Lys Leu Arg Asp Arg Met Gln Leu Glu Val Val Asp Ile
50 55 60

Leu Glu Arg Val Gly Val Thr Cys Val Met Val Thr His Asp Gln Glu

65		70		75		80									
Glu	Ala	Met	Thr	Met	Ala	Gly	Arg	Ile	Ala	Ile	Met	Asn	Arg	Gly	Lys
				85					90					95	
Phe	Val	Gln	Ile	Gly	Glu	Pro	Glu	Glu	Ile	Tyr	Glu	His	Pro	Thr	Thr
			100					105					110		
Arg	Tyr	Ser	Ala	Glu	Phe	Ile	Gly	Ser	Val	Asn	Val	Phe	Glu	Gly	Val
		115					120					125			
Leu	Lys	Glu	Arg	Gln	Glu	Asp	Gly	Leu	Val	Leu	Asp	Ser	Pro	Gly	Leu
	130					135					140				
Val	His	Pro	Leu	Lys	Val	Asp	Ala	Asp	Ala	Ser	Val	Val	Asp	Asn	Val
145					150					155					160
Pro	Val	His	Val	Ala	Leu	Arg	Pro	Glu	Lys	Ile	Met	Leu	Cys	Glu	Glu
				165					170					175	
Pro	Pro	Ala	Asn	Gly	Cys	Asn	Phe	Ala	Val	Gly	Glu	Val	Ile	His	Ile
			180					185					190		
Ala	Tyr	Leu	Gly	Asp	Leu	Ser	Val	Tyr	His	Val	Arg	Leu	Lys		
	195						200					205			

<210> 685
 <211> 440
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (168)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (169)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (173)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (180)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (191)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 685

Met	Ala	Ser	Leu	Val	Ser	Leu	Glu	Leu	Gly	Leu	Leu	Leu	Ala	Val	Leu
1				5					10					15	
Val	Val	Thr	Ala	Thr	Ala	Ser	Pro	Pro	Ala	Gly	Leu	Leu	Ser	Leu	Leu
			20					25					30		
Thr	Ser	Gly	Gln	Gly	Ala	Leu	Asp	Gln	Glu	Ala	Leu	Gly	Gly	Leu	Leu
		35					40					45			
Asn	Thr	Leu	Ala	Asp	Arg	Val	His	Cys	Ala	Asn	Gly	Pro	Cys	Gly	Lys
	50					55					60				
Cys	Leu	Ser	Val	Glu	Asp	Ala	Leu	Gly	Leu	Gly	Glu	Pro	Glu	Gly	Ser
65					70					75					80
Gly	Leu	Pro	Pro	Gly	Pro	Val	Leu	Glu	Ala	Arg	Tyr	Val	Ala	Arg	Leu
				85					90					95	
Ser	Ala	Ala	Ala	Val	Leu	Tyr	Leu	Ser	Asn	Pro	Glu	Gly	Thr	Cys	Glu
			100					105					110		
Asp	Ala	Arg	Ala	Gly	Leu	Trp	Ala	Ser	His	Ala	Asp	His	Leu	Leu	Ala
		115					120					125			
Leu	Leu	Glu	Ser	Pro	Lys	Ala	Leu	Thr	Pro	Gly	Leu	Ser	Trp	Leu	Leu
	130					135					140				
Gln	Arg	Met	Gln	Ala	Arg	Ala	Ala	Gly	Gln	Thr	Pro	Lys	Thr	Ala	Cys
145					150					155					160
Val	Asp	Ile	Pro	Gln	Leu	Leu	Xaa	Xaa	Ala	Val	Gly	Xaa	Gly	Ala	Pro
				165					170					175	
Gly	Ser	Ala	Xaa	Gly	Val	Leu	Ala	Ala	Leu	Leu	Asp	His	Val	Xaa	Ser
			180					185					190		
Gly	Ser	Cys	Phe	His	Ala	Leu	Pro	Ser	Pro	Gln	Tyr	Phe	Val	Asp	Phe
		195					200					205			
Val	Phe	Gln	Gln	His	Ser	Ser	Glu	Val	Pro	Met	Thr	Leu	Ala	Glu	Leu
	210					215					220				
Ser	Ala	Leu	Met	Gln	Arg	Leu	Gly	Val	Gly	Arg	Glu	Ala	His	Ser	Asp
225					230					235					240
His	Ser	His	Arg	His	Arg	Gly	Ala	Ser	Ser	Arg	Asp	Pro	Val	Pro	Leu
				245					250					255	
Ile	Ser	Ser	Ser	Asn	Ser	Ser	Ser	Val	Trp	Asp	Thr	Val	Cys	Leu	Ser
			260					265					270		
Ala	Arg	Asp	Val	Met	Ala	Ala	Tyr	Gly	Leu	Ser	Glu	Gln	Ala	Gly	Val
		275					280					285			
Thr	Pro	Glu	Ala	Trp	Ala	Gln	Leu	Ser	Pro	Ala	Leu	Leu	Gln	Gln	Gln

290	295	300
Leu Ser Gly Ala Cys Thr Ser Gln Ser Arg Pro Pro Val Gln Asp Gln 305 310 315 320		
Leu Ser Gln Ser Glu Arg Tyr Leu Tyr Gly Ser Leu Ala Thr Leu Leu 325 330 335		
Ile Cys Leu Cys Ala Val Phe Gly Leu Leu Leu Leu Thr Cys Thr Gly 340 345 350		
Cys Arg Gly Val Thr His Tyr Ile Leu Gln Thr Phe Leu Ser Leu Ala 355 360 365		
Val Gly Ala Leu Thr Gly Asp Ala Val Leu His Leu Thr Pro Lys Val 370 375 380		
Leu Gly Leu His Thr His Ser Glu Glu Gly Leu Ser Pro Gln Pro Thr 385 390 395 400		
Trp Arg Leu Leu Ala Met Leu Ala Gly Leu Tyr Ala Phe Phe Leu Phe 405 410 415		
Glu Asn Leu Phe Asn Leu Leu Leu Pro Arg Asp Pro Glu Asp Leu Glu 420 425 430		
Asp Gly Pro Ala Ala Thr Ala Ala 435 440		

<210> 686
 <211> 647
 <212> PRT
 <213> Homo sapiens

<400> 686

Met Ala Ser Leu Val Ser Leu Glu Leu Gly Leu Leu Leu Ala Val Leu 1 5 10 15
Val Val Thr Ala Thr Ala Ser Pro Pro Ala Gly Leu Leu Ser Leu Leu 20 25 30
Thr Ser Gly Gln Gly Ala Leu Asp Gln Glu Ala Leu Gly Gly Leu Leu 35 40 45
Asn Thr Leu Ala Asp Arg Val His Cys Ala Asn Gly Pro Cys Gly Lys 50 55 60
Cys Leu Ser Val Glu Asp Ala Leu Gly Leu Gly Glu Pro Glu Gly Ser 65 70 75 80
Gly Leu Pro Pro Gly Pro Val Leu Glu Ala Arg Tyr Val Ala Arg Leu 85 90 95
Ser Ala Ala Ala Val Leu Tyr Leu Ser Asn Pro Glu Gly Thr Cys Glu 100 105 110

Asp	Ala	Arg	Ala	Gly	Leu	Trp	Ala	Ser	His	Ala	Asp	His	Leu	Leu	Ala			
		115					120					125						
Leu	Leu	Glu	Ser	Pro	Lys	Ala	Leu	Thr	Pro	Gly	Leu	Ser	Trp	Leu	Leu			
		130				135					140							
Gln	Arg	Met	Gln	Ala	Arg	Ala	Ala	Gly	Gln	Thr	Pro	Lys	Thr	Ala	Cys			
145					150					155					160			
Val	Asp	Ile	Pro	Gln	Leu	Leu	Glu	Glu	Ala	Val	Gly	Ala	Gly	Ala	Pro			
				165					170					175				
Gly	Ser	Ala	Gly	Gly	Val	Leu	Ala	Ala	Leu	Leu	Asp	His	Val	Arg	Ser			
			180					185					190					
Gly	Ser	Cys	Phe	His	Ala	Leu	Pro	Ser	Pro	Gln	Tyr	Phe	Val	Asp	Phe			
		195				200						205						
Val	Phe	Gln	Gln	His	Ser	Ser	Glu	Val	Pro	Met	Thr	Leu	Ala	Glu	Leu			
	210					215					220							
Ser	Ala	Leu	Met	Gln	Arg	Leu	Gly	Val	Gly	Arg	Glu	Ala	His	Ser	Asp			
225					230					235					240			
His	Ser	His	Arg	His	Arg	Gly	Ala	Ser	Ser	Arg	Asp	Pro	Val	Pro	Leu			
				245					250					255				
Ile	Ser	Ser	Ser	Asn	Ser	Ser	Ser	Val	Trp	Asp	Thr	Val	Cys	Leu	Ser			
			260					265					270					
Ala	Arg	Asp	Val	Met	Ala	Ala	Tyr	Gly	Leu	Ser	Glu	Gln	Ala	Gly	Val			
		275					280					285						
Thr	Pro	Glu	Ala	Trp	Ala	Gln	Leu	Ser	Pro	Ala	Leu	Leu	Gln	Gln	Gln			
	290					295					300							
Leu	Ser	Gly	Ala	Cys	Thr	Ser	Gln	Ser	Arg	Pro	Pro	Val	Gln	Asp	Gln			
305					310				315						320			
Leu	Ser	Gln	Ser	Glu	Arg	Tyr	Leu	Tyr	Gly	Ser	Leu	Ala	Thr	Leu	Leu			
				325					330					335				
Ile	Cys	Leu	Cys	Ala	Val	Phe	Gly	Leu	Leu	Leu	Leu	Thr	Cys	Thr	Gly			
			340					345					350					
Cys	Arg	Gly	Val	Thr	His	Tyr	Ile	Leu	Gln	Thr	Phe	Leu	Ser	Leu	Ala			
		355					360					365						
Val	Gly	Ala	Leu	Thr	Gly	Asp	Ala	Val	Leu	His	Leu	Thr	Pro	Lys	Val			
	370					375					380							
Leu	Gly	Leu	His	Thr	His	Ser	Glu	Glu	Gly	Leu	Ser	Pro	Gln	Pro	Thr			
385					390					395					400			
Trp	Arg	Leu	Leu	Ala	Met	Leu	Ala	Gly	Leu	Tyr	Ala	Phe	Phe	Leu	Phe			
				405					410					415				

Glu	Asn	Leu	Phe	Asn	Leu	Leu	Leu	Pro	Arg	Asp	Pro	Glu	Asp	Leu	Glu
			420					425					430		
Asp	Gly	Pro	Cys	Gly	His	Ser	Ser	His	Ser	His	Gly	Gly	His	Ser	His
		435					440					445			
Gly	Val	Ser	Leu	Gln	Leu	Ala	Pro	Ser	Glu	Leu	Arg	Gln	Pro	Lys	Pro
	450					455					460				
Pro	His	Glu	Gly	Ser	Arg	Ala	Asp	Leu	Val	Ala	Glu	Glu	Ser	Pro	Glu
465					470					475					480
Leu	Leu	Asn	Pro	Glu	Pro	Arg	Arg	Leu	Ser	Pro	Glu	Leu	Arg	Leu	Leu
				485					490					495	
Pro	Tyr	Met	Ile	Thr	Leu	Gly	Asp	Ala	Val	His	Asn	Phe	Ala	Asp	Gly
			500					505					510		
Leu	Ala	Val	Gly	Ala	Ala	Phe	Ala	Ser	Ser	Trp	Lys	Thr	Gly	Leu	Ala
	515						520					525			
Thr	Ser	Leu	Ala	Val	Phe	Cys	His	Glu	Leu	Pro	His	Glu	Leu	Gly	Asp
	530					535					540				
Phe	Ala	Ala	Leu	Leu	His	Ala	Gly	Leu	Ser	Val	Arg	Gln	Ala	Leu	Leu
545					550					555					560
Leu	Asn	Leu	Ala	Ser	Ala	Leu	Thr	Ala	Phe	Ala	Gly	Leu	Tyr	Val	Ala
				565					570					575	
Leu	Ala	Val	Gly	Val	Ser	Glu	Glu	Ser	Glu	Ala	Trp	Ile	Leu	Ala	Val
		580						585					590		
Ala	Thr	Gly	Leu	Phe	Leu	Tyr	Val	Ala	Leu	Cys	Asp	Met	Leu	Pro	Ala
		595					600					605			
Met	Leu	Lys	Val	Arg	Asp	Pro	Arg	Pro	Trp	Leu	Leu	Phe	Leu	Leu	His
	610					615					620				
Asn	Val	Gly	Leu	Leu	Gly	Gly	Trp	Thr	Val	Leu	Leu	Leu	Leu	Ser	Leu
625					630					635					640
Tyr	Glu	Asp	Asp	Ile	Thr	Phe									
				645											

<210> 687

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 687

Ile Ser Val Ile Phe Asn Asp Thr Val Lys Lys Thr Met Gln Glu Cys
1 5 10 15

Ser Ala Met Lys Gln Ile Phe Lys Asp Leu Phe Thr Gly Phe Leu Ser
20 25 30

Trp Asn Ile His Leu Phe Pro Arg Cys Leu Cys Asp Ser Glu Ile Xaa
35 40 45

Pro

<210> 688

<211> 307

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (249)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (261)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 688

Met Leu Arg Val Val Glu Gly Ile Phe Ile Phe Val Val Val Ser Glu
1 5 10 15

Ser Val Phe Gly Val Leu Gly Asn Gly Phe Ile Gly Leu Val Asn Cys
20 25 30

Ile Asp Cys Ala Lys Asn Lys Leu Ser Thr Ile Gly Phe Ile Leu Thr
35 40 45

Gly Leu Ala Ile Ser Arg Ile Phe Leu Ile Trp Ile Ile Ile Thr Asp
50 55 60

Gly Phe Ile Gln Ile Phe Ser Pro Asn Ile Tyr Ala Ser Gly Asn Leu
65 70 75 80

Ile Glu Tyr Ile Ser Tyr Phe Trp Val Ile Gly Asn Gln Ser Ser Met
85 90 95

Trp Phe Ala Thr Ser Leu Ser Ile Phe Tyr Phe Leu Lys Ile Ala Asn
100 105 110

Phe Ser Asn Tyr Ile Phe Leu Trp Leu Lys Ser Arg Thr Asn Met Val
115 120 125

Leu Pro Phe Met Ile Val Phe Leu Leu Ile Ser Ser Leu Leu Asn Phe

130		135		140												
Ala	Tyr	Ile	Ala	Lys	Ile	Leu	Asn	Asp	Tyr	Lys	Met	Lys	Asn	Asp	Thr	
145					150					155					160	
Val	Trp	Asp	Leu	Asn	Met	Tyr	Lys	Ser	Glu	Tyr	Phe	Ile	Lys	Gln	Ile	
				165					170					175		
Leu	Leu	Asn	Leu	Gly	Val	Ile	Phe	Phe	Phe	Thr	Leu	Ser	Leu	Ile	Thr	
			180					185					190			
Cys	Ile	Phe	Leu	Ile	Ile	Ser	Leu	Trp	Arg	His	Asn	Arg	Gln	Met	Gln	
		195					200					205				
Ser	Asn	Val	Thr	Gly	Leu	Arg	Asp	Ser	Asn	Thr	Glu	Ala	His	Val	Lys	
	210					215					220					
Ala	Met	Lys	Val	Leu	Ile	Ser	Phe	Ile	Ile	Leu	Phe	Ile	Leu	Tyr	Phe	
225					230					235					240	
Ile	Gly	Met	Ala	Ile	Glu	Ile	Ser	Xaa	Phe	Thr	Val	Arg	Glu	Asn	Lys	
				245					250					255		
Leu	Leu	Leu	Met	Xaa	Gly	Met	Thr	Thr	Thr	Ala	Ile	Tyr	Pro	Trp	Gly	
			260					265					270			
His	Ser	Phe	Ile	Leu	Ile	Leu	Gly	Asn	Ser	Lys	Leu	Lys	Gln	Ala	Ser	
		275					280					285				
Leu	Arg	Val	Leu	Gln	Gln	Leu	Lys	Cys	Cys	Glu	Lys	Arg	Lys	Asn	Leu	
	290					295					300					

Arg Val Thr
305

<210> 689
 <211> 181
 <212> PRT
 <213> Homo sapiens

<400> 689																
Met	Val	Leu	Pro	Phe	Met	Ile	Val	Phe	Leu	Leu	Ile	Ser	Ser	Leu	Leu	
1				5					10					15		
Asn	Phe	Ala	Tyr	Ile	Ala	Lys	Ile	Leu	Asn	Asp	Tyr	Lys	Met	Lys	Asn	
		20						25					30			
Asp	Thr	Val	Trp	Asp	Leu	Asn	Met	Tyr	Lys	Ser	Glu	Tyr	Phe	Ile	Lys	
		35					40					45				
Gln	Ile	Leu	Leu	Asn	Leu	Gly	Val	Ile	Phe	Phe	Phe	Thr	Leu	Ser	Leu	
	50					55					60					
Ile	Thr	Cys	Ile	Phe	Leu	Ile	Ile	Ser	Leu	Trp	Arg	His	Asn	Arg	Gln	
65					70					75					80	

Met	Gln	Ser	Asn	Val	Thr	Gly	Leu	Arg	Asp	Ser	Asn	Thr	Glu	Ala	His
				85					90					95	
Val	Lys	Ala	Met	Lys	Val	Leu	Ile	Ser	Phe	Ile	Ile	Leu	Phe	Ile	Leu
			100					105					110		
Tyr	Phe	Ile	Gly	Met	Ala	Ile	Glu	Ile	Ser	Cys	Phe	Thr	Val	Arg	Glu
		115					120					125			
Asn	Lys	Leu	Leu	Leu	Met	Phe	Gly	Met	Thr	Thr	Thr	Ala	Ile	Tyr	Pro
		130					135					140			
Trp	Gly	His	Ser	Phe	Ile	Leu	Ile	Leu	Gly	Asn	Ser	Lys	Leu	Lys	Gln
145					150					155					160
Ala	Ser	Leu	Arg	Val	Leu	Gln	Gln	Leu	Lys	Cys	Cys	Glu	Lys	Arg	Lys
				165					170					175	
Asn	Leu	Arg	Val	Thr											
			180												

<210> 690
 <211> 70
 <212> PRT
 <213> Homo sapiens

Ala	Ala	Met	Arg	Arg	Trp	Ala	Ser	Ser	Ser	Leu	Glu	Gly	Glu	Glu	Leu
1				5					10					15	
Ser	Thr	Gln	Arg	Asp	Leu	Thr	Arg	Lys	Val	His	Pro	Pro	Ser	Thr	Gln
			20					25					30		
Glu	Ala	Pro	Ala	Asp	Ser	Met	Cys	Phe	Arg	Leu	Cys	Trp	Pro	Asn	Gly
		35					40					45			
Leu	Cys	Arg	Asp	Tyr	Ser	Ala	Leu	Pro	Leu	Trp	Leu	Gln	Ser	Asp	His
	50					55					60				
Arg	Pro	Ser	Glu	Ser	Glu										
65					70										

<210> 691
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 691
 Met Pro Val Gly Ser Leu Pro His Pro Gly Cys Leu Trp Ala Ala Phe
 1 5 10 15
 Leu Thr Leu Asp Ala Cys Gly Leu Pro Ser Ser Pro Trp Met Pro Val
 20 25 30
 Gly Ser Leu Pro His Pro Gly Cys Leu Trp Ala Ala Phe Leu Thr Leu
 35 40 45
 Asp Ala Cys Gly Gln Pro Ser Ser Pro Trp Met Pro Val Gly Xaa Leu
 50 55 60
 Leu Thr Leu Asp Ala Cys Gly Gln Xaa Ser Ser Pro Gly Cys Leu Trp
 65 70 75 80
 Ala Ala Phe Leu Thr Trp Ser Leu
 85

<210> 692
 <211> 190
 <212> PRT
 <213> Homo sapiens

<400> 692
 Met Pro Val Gly Ser Leu Pro His Pro Gly Cys Leu Trp Ala Ala Phe
 1 5 10 15
 Leu Thr Leu Asp Ala Cys Gly Leu Pro Ser Ser Pro Trp Met Pro Val
 20 25 30
 Gly Ser Leu Pro His Pro Gly Cys Leu Trp Ala Ala Phe Leu Thr Leu
 35 40 45
 Asp Ala Cys Gly Gln Pro Ser Ser Pro Trp Met Pro Val Gly Cys Leu
 50 55 60
 Pro His Pro Gly Cys Leu Trp Ala Ala Phe Leu Thr Leu Asp Ala Cys
 65 70 75 80
 Gly Gln Pro Ser Ser Pro Trp Met Pro Val Thr Trp Phe Pro Trp Gly
 85 90 95
 Leu Pro Lys Leu Arg Asp Pro Lys Pro Pro Ser Asn Leu Met Thr Arg
 100 105 110
 Pro Val Ser Glu His Thr Cys Val Val Pro Glu Pro Leu Thr Asn Pro
 115 120 125
 Leu Cys Asn Pro Ala His Ala Phe Pro Ile Leu Lys Gly Pro Ala His

130		135		140											
Arg	Pro	Ala	His	Val	Phe	Pro	Leu	Pro	Leu	Leu	Cys	Pro	Tyr	Leu	Val
145					150					155					160
Gly	Ser	Cys	Pro	Phe	Trp	Ala	Leu	Val	Trp	His	Phe	Thr	His	Lys	Cys
				165					170					175	
Val	Leu	Trp	Val	Val	Ser	Gly	Pro	Pro	Pro	Ala	Val	Arg	Gly		
			180					185					190		

<210> 693
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 693															
Met	Trp	Leu	Ser	Pro	Val	Pro	Gly	Val	Cys	Ala	Ala	Val	Leu	Ala	Leu
1				5					10					15	
Ser	Phe	Trp	Ile	Ala	Lys	Phe	Pro	Gly	Glu	Gly	Thr	Ala	Ile	Ala	Lys
			20					25					30		
Ala	Leu	Gly	Arg	Leu	Lys										
			35												

<210> 694
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 694															
Met	Trp	Leu	Ser	Pro	Val	Pro	Gly	Val	Cys	Ala	Ala	Val	Leu	Ala	Leu
1				5					10					15	
Ser	Phe	Trp	Ile	Ala	Lys	Phe	Pro	Gly	Glu	Gly	Thr	Ala	Ile	Ala	Lys
			20					25					30		
Ala	Leu	Gly	Arg	Leu	Lys										
			35												

<210> 695
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 695															
Gly	Leu	Phe	Leu	Gly	Gln	Met	Asn	Trp	Ile	Phe	Ser	Cys	Cys	Phe	Ser
1				5					10					15	
Asn	Asn	Val	Thr	Thr	Thr	Val	Lys	Lys	Arg						

20

25

<210> 696
 <211> 166
 <212> PRT
 <213> Homo sapiens

<400> 696

Met	Ser	Phe	Thr	Val	Ser	Met	Ala	Ile	Gly	Leu	Val	Leu	Gly	Gly	Phe
1				5					10					15	
Ile	Trp	Ala	Val	Phe	Ile	Cys	Leu	Ser	Arg	Arg	Arg	Arg	Ala	Ser	Ala
			20					25					30		
Pro	Ile	Ser	Gln	Trp	Ser	Ser	Ser	Arg	Arg	Ser	Arg	Ser	Ser	Tyr	Thr
		35					40					45			
His	Gly	Leu	Asn	Arg	Thr	Gly	Phe	Tyr	Arg	His	Ser	Gly	Cys	Glu	Arg
	50					55					60				
Arg	Ser	Asn	Leu	Ser	Leu	Ala	Ser	Leu	Thr	Phe	Gln	Arg	Gln	Ala	Ser
65					70					75					80
Leu	Glu	Gln	Ala	Asn	Ser	Phe	Pro	Arg	Lys	Ser	Ser	Phe	Arg	Ala	Ser
				85					90					95	
Thr	Phe	His	Pro	Phe	Leu	Gln	Cys	Pro	Pro	Leu	Pro	Val	Glu	Thr	Glu
			100					105					110		
Ser	Gln	Leu	Val	Thr	Leu	Pro	Ser	Ser	Asn	Ile	Ser	Pro	Thr	Ile	Ser
		115					120					125			
Thr	Ser	His	Ser	Leu	Ser	Arg	Pro	Asp	Tyr	Trp	Ser	Ser	Asn	Ser	Leu
		130				135					140				
Arg	Val	Gly	Leu	Ser	Thr	Pro	Pro	Pro	Pro	Ala	Tyr	Glu	Ser	Ile	Ile
145					150					155					160
Lys	Ala	Phe	Pro	Asp	Ser										
				165											

<210> 697
 <211> 166
 <212> PRT
 <213> Homo sapiens

<400> 697

Met	Ser	Phe	Thr	Val	Ser	Met	Ala	Ile	Gly	Leu	Val	Leu	Gly	Gly	Phe
1				5					10					15	
Ile	Trp	Ala	Val	Phe	Ile	Cys	Leu	Ser	Arg	Arg	Arg	Arg	Ala	Ser	Ala
			20					25					30		

Val Val Gly Cys Leu Gly Cys Ser Phe Phe Cys Pro Arg Arg Tyr Tyr
20 25 30

Lys Lys Leu Asn Leu His Lys Ala Cys Met Glu Asn Ser Val Ser Ala
35 40 45

Glu Ile Arg Ser Asp Arg
50

<210> 700

<211> 240

<212> PRT

<213> Homo sapiens

<400> 700

Met Ser Arg Tyr Leu Leu Pro Leu Ser Ala Leu Gly Thr Val Ala Gly
1 5 10 15

Ala Ala Val Leu Leu Lys Asp Tyr Val Thr Gly Gly Ala Cys Pro Ser
20 25 30

Lys Ala Thr Ile Pro Gly Lys Thr Val Ile Val Thr Gly Ala Asn Thr
35 40 45

Gly Ile Gly Lys Gln Thr Ala Leu Glu Leu Ala Arg Arg Gly Gly Asn
50 55 60

Ile Ile Leu Ala Cys Arg Asp Met Glu Lys Cys Glu Ala Ala Ala Lys
65 70 75 80

Asp Ile Arg Gly Glu Thr Leu Asn His His Val Asn Ala Arg His Leu
85 90 95

Asp Leu Ala Ser Leu Lys Ser Ile Arg Glu Phe Ala Ala Lys Ile Ile
100 105 110

Glu Glu Glu Glu Arg Val Asp Ile Leu Ile Asn Asn Ala Gly Val Met
115 120 125

Arg Cys Pro His Trp Thr Thr Glu Asp Gly Phe Glu Met Gln Phe Gly
130 135 140

Val Asn His Leu Gly His Phe Leu Leu Thr Asn Leu Leu Leu Asp Lys
145 150 155 160

Leu Lys Ala Ser Ala Pro Ser Arg Ile Ile Asn Leu Ser Ser Leu Ala
165 170 175

His Val Ala Gly His Ile Asp Phe Asp Asp Leu Asn Trp Gln Thr Arg
180 185 190

Lys Tyr Asn Thr Lys Ala Ala Tyr Cys Gln Ser Lys Leu Ala Ile Val
195 200 205

Leu Phe Thr Lys Glu Leu Ser Arg Arg Leu Gln Gly Thr Gly Ala Leu
 210 215 220
 Gly Ser Ala Ser Leu Leu Leu Tyr Ser Glu Pro Arg Ala Ala Phe Pro
 225 230 235 240

<210> 701
 <211> 246
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (222)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (223)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (236)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (242)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (244)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 701
 Met Gly Ala Ala Val Phe Phe Gly Cys Thr Phe Val Ala Phe Gly Pro
 1 5 10 15
 Ala Phe Ala Leu Phe Leu Ile Thr Val Ala Gly Asp Pro Leu Arg Val
 20 25 30
 Ile Ile Leu Val Ala Gly Ala Phe Phe Trp Leu Val Ser Leu Leu Leu
 35 40 45
 Ala Ser Val Val Trp Phe Ile Leu Val His Val Thr Asp Arg Ser Asp
 50 55 60
 Ala Arg Leu Gln Tyr Gly Leu Leu Ile Phe Gly Ala Ala Val Ser Val
 65 70 75 80

Leu	Leu	Gln	Glu	Val	Phe	Arg	Phe	Ala	Tyr	Tyr	Lys	Leu	Leu	Lys	Lys
				85					90					95	
Ala	Asp	Glu	Gly	Leu	Ala	Ser	Leu	Ser	Glu	Asp	Gly	Arg	Ser	Pro	Ile
			100					105					110		
Ser	Ile	Arg	Gln	Met	Ala	Tyr	Val	Ser	Gly	Leu	Ser	Phe	Gly	Ile	Ile
		115					120					125			
Ser	Gly	Val	Phe	Ser	Val	Ile	Asn	Ile	Leu	Ala	Asp	Ala	Leu	Gly	Pro
	130					135					140				
Gly	Val	Val	Gly	Ile	His	Gly	Asp	Ser	Pro	Tyr	Tyr	Phe	Leu	Thr	Ser
145					150					155					160
Ala	Phe	Leu	Thr	Ala	Ala	Ile	Ile	Leu	Leu	His	Thr	Phe	Trp	Gly	Val
				165					170					175	
Val	Phe	Phe	Asp	Ala	Cys	Glu	Arg	Arg	Arg	Tyr	Trp	Ala	Leu	Gly	Leu
			180					185					190		
Val	Val	Gly	Ser	His	Leu	Leu	Thr	Ser	Gly	Leu	Thr	Phe	Leu	Asn	Pro
		195					200					205			
Trp	Tyr	Glu	Ala	Ser	Leu	Leu	Pro	Ser	Met	Gln	Ser	Leu	Xaa	Xaa	Trp
	210					215					220				
Gly	Ser	Gly	Pro	Ser	Ser	Gln	Leu	Glu	Gly	Pro	Xaa	Lys	Tyr	Ser	Ala
225					230					235					240
Gln	Xaa	Leu	Xaa	Lys	Asp										
				245											

<210> 702
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 702
 Gly Glu Ile Phe Leu
 1 5

<210> 703
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 703
 Lys Met His Phe Asn Lys Asn Lys Ser Ile Leu Lys Ser Phe Ser Phe
 1 5 10 15

Val Arg Gly Asn Met Asn Glu Ile His Ser Tyr Leu Lys Thr Glu Tyr
 20 25 30

Phe	Thr	Ala	Lys	Thr	Leu	Asn	Ile	Ser	Arg	Ala	Tyr	His	Ile	Leu	Asn
		35					40					45			
Thr	Leu	Trp	Ser	Cys	Ser	Tyr	Phe	Asn	Ile	Pro	Gly	Ser	Gly	Gly	Gln
	50					55					60				
Leu	Ala	Cys	Leu	Trp	Leu	Arg	Ile	Cys	Phe	His	Ala	Cys	Phe	Leu	Ser
65					70					75					80
Phe	Phe	Tyr	Leu												

<210> 704
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 704
 Val Leu Leu Ile Leu
 1 5

<210> 705
 <211> 266
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (134)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (183)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (222)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (224)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (255)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 705
 Met Pro Arg His Leu Ser Gly Leu Leu Leu Leu Leu Trp Pro Leu Leu
 1 5 10 15
 Leu Leu Leu Pro Pro Thr Pro Ala Ala Pro Gly Pro Leu Ala Arg Pro
 20 25 30
 Gly Leu Arg Arg Leu Gly Thr Arg Gly Pro Gly Gly Xaa Pro Xaa Arg
 35 40 45
 Arg Pro Xaa Ser Ala Val Pro Thr Arg Ala Pro Tyr Ser Gly Ala Gly
 50 55 60
 Gln Pro Gly Gly Ala Arg Gly Ala Gly Val Cys Arg Ser Arg Pro Leu
 65 70 75 80
 Asp Leu Val Phe Ile Ile Asp Ser Ser Arg Ser Val Arg Pro Leu Glu
 85 90 95
 Phe Thr Lys Val Lys Thr Phe Val Ser Gln Ile Ile Asp Thr Leu Asp
 100 105 110
 Ile Gly Ala Ala Asp Thr Arg Val Ala Val Val Asn Tyr Ala Ser Thr
 115 120 125
 Val Lys Ile Glu Phe Xaa Leu Gln Thr His Ser Asp Lys Gln Ser Leu
 130 135 140
 Lys Gln Ala Val Ala Arg Ile Thr Pro Leu Ser Thr Gly Thr Met Ser
 145 150 155 160
 Gly Leu Ala Ile Gln Thr Ala Met Asp Glu Ala Phe Thr Val Glu Ala
 165 170 175
 Gly Ala Arg Gly Pro Thr Xaa Asn Ile Pro Lys Val Ala Ile Ile Val
 180 185 190
 Thr Asp Gly Arg Pro Gln Asp Gln Val Asn Glu Val Ala Ala Arg Ala
 195 200 205
 Arg Ala Ser Gly Ile Glu Leu Tyr Ala Val Gly Val Asp Xaa Ala Xaa
 210 215 220

Met Glu Ser Leu Gln Asp Glu Trp Pro Ala Lys Pro Leu Asp Glu His
225 230 235 240

Val Phe Tyr Val Glu Thr Tyr Gly Val Ile Glu Lys Pro Ser Xaa Arg
245 250 255

Phe Gln Glu Thr Leu Leu Arg Ser Trp Asn
260 265

<210> 706

<211> 484

<212> PRT

<213> Homo sapiens

<400> 706

Met Pro Arg His Leu Ser Gly Leu Leu Leu Leu Leu Trp Pro Leu Leu
1 5 10 15

Leu Leu Leu Pro Pro Thr Pro Ala Ala Pro Gly Pro Leu Ala Arg Pro
20 25 30

Gly Leu Arg Arg Leu Gly Thr Arg Gly Pro Gly Gly Ser Pro Gly Arg
35 40 45

Arg Pro Gly Ser Ala Val Pro Thr Arg Ala Pro Tyr Ser Gly Ala Gly
50 55 60

Gln Pro Gly Gly Ala Arg Gly Ala Gly Val Cys Arg Ser Arg Pro Leu
65 70 75 80

Asp Leu Val Phe Ile Ile Asp Ser Ser Arg Ser Val Arg Pro Leu Glu
85 90 95

Phe Thr Lys Val Lys Thr Phe Val Ser Gln Ile Ile Asp Thr Leu Asp
100 105 110

Ile Gly Ala Ala Asp Thr Arg Val Ala Val Val Asn Tyr Ala Ser Thr
115 120 125

Val Lys Ile Glu Phe His Leu Gln Thr His Ser Asp Lys Gln Ser Leu
130 135 140

Lys Gln Ala Val Ala Arg Ile Thr Pro Leu Ser Thr Gly Thr Met Ser
145 150 155 160

Gly Leu Ala Ile Gln Thr Ala Met Asp Glu Ala Phe Thr Val Glu Ala
165 170 175

Gly Ala Arg Gly Pro Thr Ser Asn Ile Pro Lys Val Ala Ile Ile Val
180 185 190

Thr Asp Gly Arg Pro Gln Asp Gln Val Asn Glu Val Ala Ala Arg Ala
195 200 205

Arg Ala Ser Gly Ile Glu Leu Tyr Ala Val Gly Val Asp Arg Ala Asp

210					215					220					
Met	Glu	Ser	Leu	Lys	Met	Met	Ala	Ser	Glu	Pro	Leu	Asp	Glu	His	Val
225					230					235					240
Phe	Tyr	Val	Glu	Thr	Tyr	Gly	Val	Ile	Glu	Lys	Leu	Ser	Ser	Arg	Phe
				245					250					255	
Gln	Glu	Thr	Phe	Cys	Ala	Leu	Asp	Pro	Cys	Val	Leu	Gly	Thr	His	Arg
			260					265					270		
Cys	Gln	His	Val	Cys	Val	Ser	Asp	Gly	Glu	Gly	Lys	His	His	Cys	Glu
		275					280					285			
Cys	Ser	Gln	Gly	Tyr	Ser	Leu	Asn	Ala	Asp	Gln	Lys	Thr	Cys	Ser	Ala
	290					295					300				
Ile	Asp	Lys	Cys	Ala	Leu	Asn	Thr	His	Gly	Cys	Glu	His	Ile	Cys	Val
305					310					315					320
Asn	Asp	Arg	Thr	Gly	Ser	Tyr	His	Cys	Glu	Cys	Tyr	Glu	Gly	Tyr	Thr
				325					330					335	
Leu	Asn	Gln	Asp	Arg	Lys	Thr	Cys	Ser	Ala	Gln	Asp	Gln	Cys	Ala	Phe
			340					345					350		
Gly	Thr	His	Gly	Cys	Gln	His	Ile	Cys	Val	Asn	Asp	Arg	Asp	Gly	Ser
		355					360					365			
His	His	Cys	Glu	Cys	Tyr	Glu	Gly	Tyr	Thr	Leu	Asn	Ala	Asp	Asn	Lys
	370					375					380				
Thr	Cys	Ser	Val	Arg	Ser	Glu	Cys	Ala	Gly	Gly	Ser	His	Gly	Cys	Gln
385					390					395					400
His	Leu	Cys	Val	Asp	Asp	Gly	Pro	Ala	Ala	Tyr	His	Cys	Asp	Cys	Phe
				405					410					415	
Pro	Gly	Tyr	Thr	Leu	Thr	Glu	Asp	Arg	Arg	Thr	Cys	Ala	Ala	Ile	Glu
			420					425					430		
Glu	Ala	Arg	Arg	Leu	Val	Ser	Thr	Glu	Asp	Ala	Cys	Gly	Cys	Glu	Ala
		435					440					445			
Thr	Leu	Ala	Phe	Gln	Glu	Arg	Ala	Ser	Ser	Tyr	Leu	Gln	Arg	Leu	Asn
	450					455					460				
Ala	Lys	Leu	Asp	Asp	Ile	Leu	Gly	Lys	Leu	Gln	Ala	Asp	Ala	Tyr	Gly
465					470					475					480
Gln Ile His Arg															

<210> 707

<211> 368

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (310)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (365)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 707

Met	Gln	Pro	Ser	Ser	Leu	Leu	Pro	Leu	Ala	Leu	Cys	Leu	Leu	Ala	Ala	
1				5					10					15		
Pro	Ala	Ser	Ala	Leu	Val	Arg	Ile	Pro	Leu	His	Lys	Phe	Thr	Ser	Ile	
			20					25					30			
Arg	Arg	Thr	Met	Ser	Glu	Val	Gly	Gly	Ser	Val	Glu	Asp	Leu	Ile	Ala	
		35					40					45				
Lys	Gly	Pro	Val	Ser	Lys	Tyr	Ser	Gln	Ala	Val	Pro	Ala	Val	Thr	Glu	
	50					55					60					
Gly	Pro	Ile	Pro	Glu	Val	Leu	Lys	Asn	Tyr	Met	Asp	Ala	Gln	Tyr	Tyr	
65					70					75					80	
Gly	Glu	Ile	Gly	Ile	Gly	Thr	Pro	Pro	Gln	Cys	Phe	Thr	Val	Val	Phe	
				85					90					95		
Asp	Thr	Gly	Ser	Ser	Asn	Leu	Trp	Val	Pro	Ser	Ile	His	Cys	Lys	Leu	
			100					105					110			
Leu	Asp	Ile	Ala	Cys	Trp	Ile	His	His	Lys	Tyr	Asn	Ser	Asp	Lys	Ser	
		115					120					125				
Ser	Thr	Tyr	Val	Lys	Asn	Gly	Thr	Ser	Phe	Asp	Ile	His	Tyr	Gly	Ser	
		130				135					140					
Gly	Ser	Leu	Ser	Gly	Tyr	Leu	Ser	Gln	Asp	Thr	Val	Ser	Val	Pro	Cys	
145					150					155					160	
Gln	Ser	Ala	Ser	Ser	Ala	Ser	Ala	Leu	Gly	Gly	Val	Lys	Val	Glu	Arg	
				165					170					175		
Gln	Val	Phe	Gly	Glu	Ala	Thr	Lys	Gln	Pro	Gly	Ile	Thr	Phe	Ile	Ala	
			180					185					190			
Ala	Lys	Phe	Asp	Gly	Ile	Leu	Gly	Met	Ala	Tyr	Pro	Arg	Ile	Ser	Val	
		195					200					205				
Asn	Asn	Val	Leu	Pro	Val	Phe	Asp	Asn	Leu	Met	Gln	Gln	Lys	Leu	Val	
	210					215					220					
Asp	Gln	Asn	Ile	Phe	Ser	Phe	Tyr	Leu	Ser	Arg	Asp	Pro	Asp	Ala	Gln	

225		230		235		240									
Pro	Gly	Gly	Glu	Leu	Met	Leu	Gly	Gly	Thr	Asp	Ser	Lys	Tyr	Tyr	Lys
			245						250					255	
Gly	Ser	Leu	Ser	Tyr	Leu	Asn	Val	Thr	Arg	Lys	Ala	Tyr	Trp	Gln	Val
			260					265						270	
His	Leu	Asp	Gln	Val	Glu	Val	Ala	Ser	Gly	Leu	Thr	Leu	Cys	Lys	Glu
		275					280					285			
Gly	Cys	Glu	Ala	Ile	Val	Asp	Thr	Gly	Thr	Ser	Leu	Met	Val	Gly	Pro
	290					295					300				
Val	Asp	Glu	Val	Arg	Xaa	Leu	Gln	Lys	Ala	Ile	Gly	Ala	Val	Pro	Leu
305					310					315					320
Ile	Gln	Gly	Glu	Tyr	Met	Ile	Pro	Cys	Glu	Lys	Val	Ser	Thr	Leu	Pro
			325						330					335	
Ala	Ile	Thr	Leu	Lys	Leu	Gly	Gly	Lys	Gly	Tyr	Lys	Leu	Ser	Pro	Glu
			340					345					350		
Asp	Tyr	Thr	Leu	Lys	Val	Ser	Gln	Ala	Gly	Lys	Thr	Xaa	Cys	Leu	Ser
		355					360					365			

<210> 708
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 708
 Leu Val Val Leu Gly Val Cys Ala Ala Gln His Glu Leu Thr Pro Arg
 1 5 10 15
 Leu Arg Ala Gly Val Pro Val Gln Val Glu Arg Glu Asp Val Leu Leu
 20 25 30

His	Gln	Leu	Leu	Leu	His	Gln	Val	Ile	Lys	Xaa	Gly	Lys	His	Ile	Val
		35					40					45			
Asp	Arg	Asp	Ala	Gly	Val	Gly	His	Ala	Gln	Asp	Ala	Val	Glu	Leu	Gly
	50					55					60				
Arg	Asp	Glu	Gly	Xaa	Xaa	Arg	Leu	Leu	Gly	Gly	Phe	Pro	Glu	Arg	Leu
65					70					75					80
Pro	Leu	His	Leu	Asp	Ala	Ser	Gln	Ala	Arg	Gln	Thr				
				85						90					

<210> 709
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals any of the naturally occurring L-amino acids

Met	Gln	Pro	Pro	Ser	Leu	Leu	Leu	Leu	Val	Leu	Gly	Leu	Leu	Ala	Ala
1				5					10					15	
Pro	Ala	Ala	Ala	Leu	Val	Arg	Ile	Pro	Leu	His	Lys	Phe	Thr	Ser	Val
			20					25					30		
Arg	Arg	Thr	Met	Ser	Glu	Leu	Gly	Gly	Pro	Val	Glu	Asp	Leu	Ile	Ala
		35					40					45			
Arg	Xaa	Pro	Ile	Ser	Lys	Tyr	Ala	Gln	Gly	Val	Pro	Ser	Val	Ala	Gly
	50					55					60				
Gly	Pro	Val	Pro	Glu	Xaa	Leu	Lys	Glu	Thr	Thr	Trp	Asn	Ala	Gln	Ile
65					70					75					80
Leu	Arg	Gly	Lys	Phe	Xaa	His	Pro	Gly	Thr	Pro	Pro	Arg	Lys	Leu	Leu

				85					90					95	
Pro	Pro	Val	Xaa	Pro	Phe	Glu	Lys	Arg	Gly	Ser	Phe	Pro	Thr	Leu	Leu
			100					105					110		

Gly Ser Pro
115

<210> 710
 <211> 410
 <212> PRT
 <213> Homo sapiens

<400> 710															
Met	Gln	Pro	Pro	Ser	Leu	Leu	Leu	Leu	Val	Leu	Gly	Leu	Leu	Ala	Ala
1				5					10					15	

Pro	Ala	Ala	Ala	Leu	Val	Arg	Ile	Pro	Leu	His	Lys	Phe	Thr	Ser	Val
			20					25					30		

Arg	Arg	Thr	Met	Ser	Glu	Leu	Gly	Gly	Pro	Val	Glu	Asp	Leu	Ile	Ala
		35					40					45			

Arg	Gly	Pro	Ile	Ser	Lys	Tyr	Ala	Gln	Gly	Val	Pro	Ser	Val	Ala	Gly
	50					55					60				

Gly	Pro	Val	Pro	Glu	Val	Leu	Arg	Asn	Tyr	Met	Asp	Ala	Gln	Tyr	Tyr
65					70					75				80	

Gly	Glu	Ile	Gly	Ile	Gly	Thr	Pro	Pro	Gln	Cys	Phe	Thr	Val	Val	Phe
				85					90					95	

Asp	Thr	Gly	Ser	Ser	Asn	Leu	Trp	Val	Pro	Ser	Ile	His	Cys	Lys	Leu
			100					105					110		

Leu	Asp	Ile	Ala	Cys	Trp	Ile	His	His	Lys	Tyr	Asn	Ser	Gly	Lys	Ser
		115					120					125			

Ser	Thr	Tyr	Val	Lys	Asn	Gly	Thr	Ser	Phe	Asp	Ile	His	Tyr	Gly	Ser
						135					140				

Gly	Ser	Leu	Ser	Gly	Tyr	Leu	Ser	Gln	Asp	Thr	Val	Ser	Val	Pro	Cys
145					150					155				160	

Lys	Ser	Gly	Leu	Ser	Ser	Leu	Ala	Gly	Val	Lys	Val	Glu	Arg	Gln	Thr
				165					170					175	

Phe	Gly	Glu	Ala	Thr	Lys	Gln	Pro	Gly	Ile	Thr	Phe	Ile	Ala	Ala	Lys
			180					185					190		

Phe	Asp	Gly	Ile	Leu	Gly	Met	Ala	Tyr	Pro	Arg	Ile	Ser	Val	Asn	Asn
		195					200					205			

Val	Leu	Pro	Val	Phe	Asp	Asn	Leu	Met	Gln	Gln	Lys	Leu	Val	Glu	Lys
	210					215					220				

Asn	Ile	Phe	Ser	Phe	Tyr	Leu	Asn	Arg	Asp	Pro	Gly	Ala	Gln	Pro	Gly	
225					230					235					240	
Gly	Glu	Leu	Met	Leu	Gly	Gly	Thr	Asp	Ser	Lys	Tyr	Tyr	Lys	Gly	Pro	
				245					250					255		
Leu	Ser	Tyr	Leu	Asn	Val	Thr	Arg	Lys	Ala	Tyr	Trp	Gln	Val	His	Met	
			260					265					270			
Glu	Gln	Val	Asp	Val	Gly	Ser	Ser	Leu	Thr	Leu	Cys	Lys	Gly	Gly	Cys	
		275					280					285				
Glu	Ala	Ile	Val	Asp	Thr	Gly	Thr	Ser	Leu	Ile	Val	Gly	Pro	Val	Asp	
	290					295					300					
Glu	Val	Arg	Glu	Leu	Gln	Lys	Ala	Ile	Gly	Ala	Val	Pro	Leu	Ile	Gln	
305					310				315						320	
Gly	Glu	Tyr	Met	Ile	Pro	Cys	Glu	Lys	Val	Ser	Thr	Leu	Pro	Glu	Val	
				325					330					335		
Thr	Leu	Thr	Leu	Gly	Gly	Lys	Pro	Tyr	Lys	Leu	Ser	Ser	Glu	Asp	Tyr	
			340					345					350			
Thr	Leu	Lys	Val	Ser	Gln	Gly	Gly	Lys	Ser	Ile	Cys	Leu	Ser	Gly	Phe	
		355					360					365				
Met	Gly	Met	Asp	Ile	Pro	Pro	Pro	Gly	Gly	Pro	Leu	Trp	Ile	Leu	Gly	
	370					375					380					
Asp	Val	Phe	Ile	Gly	Arg	Tyr	Tyr	Thr	Val	Phe	Asp	Arg	Asp	Gln	Asn	
385					390					395					400	
Arg	Val	Gly	Leu	Ala	Glu	Ala	Thr	Arg	Leu							
				405					410							

<210> 711
 <211> 96
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 711

Ala	Ala	Arg	Glu	Gly	Ala	Pro	Pro	Pro	Cys	Pro	Thr	Ser	Ala	Ile	Gly	
1				5					10					15		
Arg	Ala	Ser	Leu	Ser	Leu	Arg	Asp	Xaa	Gly	Arg	Gly	Leu	Arg	Asp	Ala	
			20					25					30			
Arg	Arg	Glu	Lys	Arg	Arg	Gly	Val	Arg	Gly	Gln	Asp	Gly	Gly	Asp	Tyr	
		35					40					45				
Gly	Trp	Cys	Gly	Pro	Ala	Arg	Gly	Arg	Gly	Val	Ala	Ala	Lys	Gly	Thr	
	50					55					60					
Ala	Glu	Gly	Pro	Thr	Gly	Glu	Asn	Arg	Ala	Gln	Gly	Xaa	Lys	Xaa	Gly	
65					70					75					80	
Val	Arg	Val	Ala	Val	Glu	Ala	Ser	Ser	Val	Arg	Gly	Pro	Gly	Arg	Ala	
				85					90					95		

<210> 712

<211> 453

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (432)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 712

Met	Arg	Met	Ala	Ser	Ile	Met	Val	Trp	Val	Met	Ile	Ile	Met	Val	Ile	
1				5				10					15			
Leu	Val	Leu	Gly	Tyr	Gly	Ile	Phe	His	Cys	Tyr	Met	Glu	Tyr	Ser	Arg	
			20					25					30			
Leu	Arg	Gly	Glu	Ala	Gly	Ser	Asp	Val	Ser	Leu	Val	Asp	Leu	Gly	Phe	
		35					40					45				
Gln	Thr	Asp	Phe	Arg	Val	Tyr	Leu	His	Leu	Arg	Gln	Thr	Trp	Leu	Ala	
	50					55					60					
Phe	Met	Ile	Ile	Leu	Ser	Ile	Leu	Glu	Val	Ile	Ile	Ile	Leu	Leu	Leu	
65					70					75					80	
Ile	Phe	Leu	Arg	Lys	Arg	Ile	Leu	Ile	Ala	Ile	Ala	Leu	Ile	Lys	Glu	
				85					90					95		
Ala	Ser	Arg	Ala	Val	Gly	Tyr	Val	Met	Cys	Ser	Leu	Leu	Tyr	Pro	Leu	
			100					105					110			

Val	Thr	Phe	Phe	Leu	Leu	Cys	Leu	Cys	Ile	Ala	Tyr	Trp	Ala	Ser	Thr
		115					120					125			
Ala	Val	Phe	Leu	Ser	Thr	Ser	Asn	Glu	Ala	Val	Tyr	Lys	Ile	Phe	Asp
	130					135					140				
Asp	Ser	Pro	Cys	Pro	Phe	Thr	Ala	Lys	Thr	Cys	Asn	Pro	Glu	Thr	Phe
145					150					155					160
Pro	Ser	Ser	Asn	Glu	Ser	Arg	Gln	Cys	Pro	Asn	Ala	Arg	Cys	Gln	Phe
				165				170						175	
Ala	Phe	Tyr	Gly	Gly	Glu	Ser	Gly	Tyr	His	Arg	Ala	Leu	Leu	Gly	Leu
			180					185					190		
Gln	Ile	Phe	Asn	Ala	Phe	Met	Phe	Phe	Trp	Leu	Ala	Asn	Phe	Val	Leu
		195					200					205			
Ala	Leu	Gly	Gln	Val	Thr	Leu	Ala	Gly	Ala	Phe	Ala	Ser	Tyr	Tyr	Trp
	210					215					220				
Ala	Leu	Arg	Lys	Pro	Asp	Asp	Leu	Pro	Ala	Phe	Pro	Leu	Phe	Ser	Ala
225					230					235					240
Phe	Gly	Arg	Ala	Leu	Arg	Tyr	His	Thr	Gly	Ser	Leu	Ala	Phe	Gly	Ala
				245					250					255	
Leu	Ile	Leu	Ala	Ile	Val	Gln	Ile	Ile	Arg	Val	Ile	Leu	Glu	Tyr	Leu
			260					265					270		
Asp	Gln	Arg	Leu	Lys	Ala	Ala	Glu	Asn	Lys	Phe	Ala	Lys	Cys	Leu	Met
		275					280					285			
Thr	Cys	Leu	Lys	Cys	Cys	Phe	Trp	Cys	Leu	Glu	Lys	Phe	Ile	Lys	Phe
	290					295					300				
Leu	Asn	Arg	Asn	Ala	Tyr	Ile	Met	Ile	Ala	Ile	Tyr	Gly	Thr	Asn	Phe
305					310					315					320
Cys	Thr	Ser	Ala	Arg	Asn	Ala	Phe	Phe	Leu	Leu	Met	Arg	Asn	Ile	Ile
				325					330					335	
Arg	Val	Ala	Val	Leu	Asp	Lys	Val	Thr	Asp	Phe	Leu	Phe	Leu	Leu	Gly
			340					345					350		
Lys	Leu	Leu	Ile	Val	Gly	Ser	Val	Gly	Ile	Leu	Ala	Phe	Phe	Phe	Phe
		355					360					365			
Thr	His	Arg	Ile	Arg	Ile	Val	Gln	Asp	Thr	Ala	Pro	Pro	Leu	Asn	Tyr
	370					375					380				
Tyr	Trp	Val	Pro	Ile	Leu	Thr	Val	Ile	Val	Gly	Ser	Tyr	Leu	Ile	Ala
385					390					395					400
His	Gly	Phe	Phe	Ser	Val	Tyr	Gly	Met	Cys	Val	Asp	Thr	Leu	Phe	Leu
				405					410					415	

Cys Phe Leu Glu Asp Leu Glu Arg Asn Asp Gly Ser Ala Glu Arg Xaa
420 425 430

Tyr Phe Met Ser Ser Thr Leu Lys Lys Leu Leu Asn Lys Thr Asn Lys
435 440 445

Lys Ala Ala Glu Ser
450

<210> 713

<211> 453

<212> PRT

<213> Homo sapiens

<400> 713

Met Arg Met Ala Ser Ile Met Val Trp Val Met Ile Ile Met Val Ile
1 5 10 15

Leu Val Leu Gly Tyr Gly Ile Phe His Cys Tyr Met Glu Tyr Ser Arg
20 25 30

Leu Arg Gly Glu Ala Gly Ser Asp Val Ser Leu Val Asp Leu Gly Phe
35 40 45

Gln Thr Asp Phe Arg Val Tyr Leu His Leu Arg Gln Thr Trp Leu Ala
50 55 60

Phe Met Ile Ile Leu Ser Ile Leu Glu Val Ile Ile Ile Leu Leu Leu
65 70 75 80

Ile Phe Leu Arg Lys Arg Ile Leu Ile Ala Ile Ala Leu Ile Lys Glu
85 90 95

Ala Ser Arg Ala Val Gly Tyr Val Met Cys Ser Leu Leu Tyr Pro Leu
100 105 110

Val Thr Phe Phe Leu Leu Cys Leu Cys Ile Ala Tyr Trp Ala Ser Thr
115 120 125

Ala Val Phe Leu Ser Thr Ser Asn Glu Ala Val Tyr Lys Ile Phe Asp
130 135 140

Asp Ser Pro Cys Pro Phe Thr Ala Lys Thr Cys Asn Pro Glu Thr Phe
145 150 155 160

Pro Ser Ser Asn Glu Ser Arg Gln Cys Pro Asn Ala Arg Cys Gln Phe
165 170 175

Ala Phe Tyr Gly Gly Glu Ser Gly Tyr His Arg Ala Leu Leu Gly Leu
180 185 190

Gln Ile Phe Asn Ala Phe Met Phe Phe Trp Leu Ala Asn Phe Val Leu
195 200 205

Ala	Leu	Gly	Gln	Val	Thr	Leu	Ala	Gly	Ala	Phe	Ala	Ser	Tyr	Tyr	Trp
210						215					220				
Ala	Leu	Arg	Lys	Pro	Asp	Asp	Leu	Pro	Ala	Phe	Pro	Leu	Phe	Ser	Ala
225					230					235					240
Phe	Gly	Arg	Ala	Leu	Arg	Tyr	His	Thr	Gly	Ser	Leu	Ala	Phe	Gly	Ala
				245					250					255	
Leu	Ile	Leu	Ala	Ile	Val	Gln	Ile	Ile	Arg	Val	Ile	Leu	Glu	Tyr	Leu
			260					265					270		
Asp	Gln	Arg	Leu	Lys	Ala	Ala	Glu	Asn	Lys	Phe	Ala	Lys	Cys	Leu	Met
		275					280					285			
Thr	Cys	Leu	Lys	Cys	Cys	Phe	Trp	Cys	Leu	Glu	Lys	Phe	Ile	Lys	Phe
	290					295					300				
Leu	Asn	Arg	Asn	Ala	Tyr	Ile	Met	Ile	Ala	Ile	Tyr	Gly	Thr	Asn	Phe
305					310					315					320
Cys	Thr	Ser	Ala	Arg	Asn	Ala	Phe	Phe	Leu	Leu	Met	Arg	Asn	Ile	Ile
				325					330					335	
Arg	Val	Ala	Val	Leu	Asp	Lys	Val	Thr	Asp	Phe	Leu	Phe	Leu	Leu	Gly
			340					345					350		
Lys	Leu	Leu	Ile	Val	Gly	Ser	Val	Gly	Ile	Leu	Ala	Phe	Phe	Phe	Phe
		355					360					365			
Thr	His	Arg	Ile	Arg	Ile	Val	Gln	Asp	Thr	Ala	Pro	Pro	Leu	Asn	Tyr
	370					375					380				
Tyr	Trp	Val	Pro	Ile	Leu	Thr	Val	Ile	Val	Gly	Ser	Tyr	Leu	Ile	Ala
385					390					395					400
His	Gly	Phe	Phe	Ser	Val	Tyr	Gly	Met	Cys	Val	Asp	Thr	Leu	Phe	Leu
				405					410					415	
Cys	Phe	Leu	Glu	Asp	Leu	Glu	Arg	Asn	Asp	Gly	Ser	Ala	Glu	Arg	Pro
			420					425					430		
Tyr	Phe	Met	Ser	Ser	Thr	Leu	Lys	Lys	Leu	Leu	Asn	Lys	Thr	Asn	Lys
		435					440					445			
Lys	Ala	Ala	Glu	Ser											
450															

<210> 714
 <211> 84
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 714

Gly	Arg	Pro	Thr	Arg	Pro	Leu	Ser	Ala	Gln	Asn	Ala	Ser	Val	Asn	Phe
1				5					10					15	

Trp	Glu	Ala	Ser	Thr	Leu	Ala	Ala	Gln	Arg	Glu	Leu	Ala	Met	Gln	Phe
			20					25					30		

Leu	Cys	Pro	Gly	Asn	His	Cys	Phe	Pro	Cys	His	Leu	Leu	Cys	Ala	Gln
		35					40					45			

Lys	Arg	Tyr	Asn	Ser	His	Gln	Xaa	Thr	Pro	Val	Val	Thr	Ala	His	Leu
	50					55					60				

Val	Cys	Cys	Val	Phe	Gln	Gln	Ser	Val	Leu	Leu	Gly	Val	Gln	Leu	Asn
65					70					75					80

Arg Leu Gly Val

<210> 715

<211> 32

<212> PRT

<213> Homo sapiens

<400> 715

Met	Trp	Trp	Ala	Leu	Leu	Ala	Cys	Arg	Phe	Cys	Cys	Pro	Arg	Arg	Cys
1				5					10					15	

Ala	Ser	Ala	Trp	Gln	Gly	Leu	Pro	Arg	Arg	Gly	Ala	Leu	Phe	Ser	Gly
			20					25					30		

<210> 716

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 716

Met	Trp	Trp	Ala	Leu	Leu	Ala	Leu	Pro	Phe	Leu	Leu	Pro	Thr	Ala	Leu
1				5					10					15	

Arg	Leu	Cys	Leu	Ala	Gly	Leu	Pro	His	Xaa	Phe	Arg	His	Thr	Asn	Arg
			20					25					30		

Met Val Pro Gln Trp His Gln Ser Gly Asp Arg Pro Leu His Ser His
35 40 45

Pro His Ser Arg Phe
50

<210> 717
<211> 744
<212> PRT
<213> Homo sapiens

<400> 717
Met Trp Trp Ala Leu Leu Ala Leu Pro Phe Leu Leu Pro Thr Ala Leu
1 5 10 15
Arg Leu Cys Leu Ala Gly Pro Pro Pro Glu Arg Gly Pro Leu Phe Trp
20 25 30
Leu Thr Arg Gln Asp Ser Arg Glu Ser Gly Ala Ala Asn Ala Thr Val
35 40 45
Ser Pro Cys Glu Gly Leu Pro Ser Ala Gly Ala Ser Thr Leu Thr Leu
50 55 60
Ala Asn Arg Ser Leu Glu Arg Leu Pro Asn Cys Leu Pro Pro Ala Leu
65 70 75 80
Arg Ser Leu Asp Ala Ser His Asn Leu Leu Arg Ala Leu Ser Ala Pro
85 90 95
Glu Leu Gly Ala Leu Pro Arg Leu Gln Ala Leu Thr Leu Arg His Asn
100 105 110
Arg Ile Ala Glu Leu Arg Trp Gly Pro Gly Gly Pro Ala Ala Leu His
115 120 125
Thr Leu Asp Leu Ser Tyr Asn Gln Leu Ala Thr Leu Pro Pro Cys Ala
130 135 140
Gly Pro Ala Leu Pro Gly Leu Arg Ser Leu Ala Leu Ala Gly Asn Pro
145 150 155 160
Leu Gln Ala Leu Gln Pro Gly Ala Phe Ala Cys Leu Pro Ala Leu Arg
165 170 175
Leu Leu Asn Leu Ser Gly Thr Ala Leu Gly Arg Asp Leu Gly Ala Gly
180 185 190
Ile Ala Asp Gly Ala Phe Ala Gly Ala Gly Gly Ala Leu Glu Val Leu
195 200 205
Asp Leu Ser Gly Thr Phe Leu Glu Arg Val Arg Ser Gly Trp Ile Arg
210 215 220

Asp	Leu	Pro	Lys	Leu	Thr	Ser	Leu	His	Leu	Arg	Lys	Met	Pro	Arg	Leu	225	230	235	240
Arg	Ile	Leu	Glu	Ala	Ala	Val	Phe	Lys	Met	Thr	Pro	Asn	Leu	Gln	Gln	245	250	255	
Leu	Asp	Cys	Gln	Asp	Ser	Ser	Ala	Leu	Thr	Ser	Val	His	Thr	Gln	Leu	260	265	270	
Phe	Gln	Asp	Thr	Pro	Arg	Leu	Gln	Val	Leu	Leu	Phe	Gln	Asn	Cys	Asn	275	280	285	
Leu	Ser	Ser	Phe	Pro	Pro	Trp	Ser	Leu	His	Ser	Ser	Gln	Val	Leu	Ser	290	295	300	
Ile	Ser	Leu	Phe	Gly	Asn	Pro	Leu	Ile	Cys	Ser	Cys	Glu	Leu	Ser	Trp	305	310	315	320
Leu	Leu	Arg	Asp	Ala	Lys	Arg	Thr	Val	Leu	Ser	Arg	Ala	Ala	Asp	Thr	325	330	335	
Val	Cys	Val	Pro	Ala	Ser	Gly	Ser	Arg	Asp	Thr	Phe	Ser	Ala	Pro	Leu	340	345	350	
Ser	Leu	Ser	Gln	Leu	Pro	Thr	Val	Cys	His	Leu	Asp	Gln	Ser	Thr	Thr	355	360	365	
Leu	His	Ser	Ser	Ser	Pro	Gln	Ala	Val	Pro	Phe	Thr	His	Gln	Pro	Ser	370	375	380	
Thr	Gln	Gly	Leu	Thr	Thr	Pro	Trp	Ser	Thr	Ala	Pro	Ser	Thr	Arg	Pro	385	390	395	400
Val	Glu	Ala	Glu	Gln	Ser	Val	Thr	Lys	Pro	Leu	Ser	Phe	Pro	Thr	Asp	405	410	415	
Ser	Ala	Thr	Gln	Thr	Ala	Trp	Ser	His	Ser	Gly	Ile	Lys	Val	Gly	Thr	420	425	430	
Ala	Arg	Ser	Thr	Ala	Ile	Pro	Thr	Ala	Asp	Ser	Ser	Thr	Ser	Ser	Ala	435	440	445	
Pro	Arg	Arg	Ala	Ala	Asn	Thr	Ala	Gly	Ala	Glu	His	Gln	Glu	His	Ala	450	455	460	
Pro	Met	Leu	Val	His	Ala	Pro	His	Val	Ser	Ala	Ala	Ser	Thr	Pro	Ser	465	470	475	480
Ala	Ser	Lys	His	Pro	Gly	Leu	Phe	Pro	Thr	Pro	Trp	Ser	Gln	Val	Arg	485	490	495	
Thr	Pro	Gln	Pro	Asp	Tyr	Arg	Ala	Gln	Ala	Thr	Leu	Gln	Ala	Pro	His	500	505	510	
Pro	Ser	Pro	Ser	Glu	Gly	Ala	Ile	Pro	Val	Leu	Leu	Leu	Asp	Glu	Ser	515	520	525	

Ser	Glu	Glu	Glu	Glu	Glu	Gly	Gln	Lys	Glu	Glu	Val	Gly	Ala	Pro	Pro
530						535					540				
Gln	Asp	Val	Pro	Cys	Asp	Tyr	His	Pro	Cys	Lys	His	Leu	Gln	Thr	Pro
545					550					555					560
Cys	Ala	Glu	Leu	Gln	Arg	Arg	Ser	Arg	Cys	Arg	Cys	Pro	Gly	Leu	Ser
				565					570					575	
Gly	Glu	Asp	Ser	Leu	Pro	Asp	Pro	Pro	Arg	Leu	Gln	Ala	Val	Thr	Glu
			580					585					590		
Thr	Thr	Asp	Thr	Ser	Ala	Leu	Val	Arg	Trp	Cys	Ala	Pro	Asn	Ser	Val
		595					600					605			
Val	His	Gly	Tyr	Gln	Ile	His	Tyr	Ser	Pro	Glu	Gly	Trp	Ala	Glu	Asn
610						615					620				
Gln	Ser	Val	Thr	Val	Val	Ala	Asp	Ile	Tyr	Ala	Thr	Ala	Arg	Gln	His
625					630					635					640
Pro	Leu	Tyr	Gly	Leu	Ser	Pro	Gly	Thr	Met	Tyr	Arg	Val	Cys	Val	Leu
				645					650					655	
Ala	Ala	Asn	Arg	Ala	Gly	Leu	Ser	Gln	Pro	Val	Gln	Ala	Ser	Gly	Trp
			660					665					670		
Thr	Arg	Ala	Cys	Ala	Ala	Phe	Thr	Thr	Lys	Pro	Ser	Phe	Val	Leu	Val
		675					680					685			
Phe	Ala	Gly	Leu	Cys	Ala	Ala	Cys	Gly	Leu	Leu	Leu	Val	Thr	Thr	Leu
690						695					700				
Leu	Leu	Ala	Ala	Cys	Leu	Cys	Arg	Arg	Ser	Arg	Thr	Val	Arg	Leu	Gln
705					710					715					720
Arg	Tyr	Asn	Thr	His	Leu	Val	Ala	Tyr	Lys	Asn	Pro	Ala	Phe	Asp	Tyr
				725					730					735	
Pro	Leu	Lys	Leu	Gln	Thr	Leu	Ser								
			740												

<210> 718
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 718															
Ala	Ile	His	Phe	Thr	Gln	Gln	Asp	Met	Pro	Gln	Ile	Arg	Arg	Gln	Ile
1				5					10					15	
Tyr	Lys	Glu	Leu	Cys	His	Ala	Asn	Ser	Leu	Cys	Glu	Arg	Arg	Ile	Pro
			20					25					30		
Gly	Leu	Lys	Pro	Met	Val	Lys	Gly	Met	Gly	Thr	Trp	Gly	Thr	Leu	Pro

	35		40		45											
Ser	Arg	Glu	Thr	Pro	Val	Pro	Leu	Leu	Pro	Leu	Pro	Leu	Pro	Val	Pro	
	50					55					60					
Tyr	Gly	Phe	Ser	Tyr	Leu	Asn	Val	Leu	Ile	Asp	Phe	Cys	Ile	Phe	Phe	
65					70					75					80	
Ser	Leu	Arg	Glu	Tyr	Leu	Leu	Ile	Phe	Asp	Val	Gln	Gly	Val	Ala	Met	
				85					90					95		
Glu	Gln	Pro	Leu	Leu	Pro	Leu	Leu	Gly	Arg	Ser	Leu	Ala	Leu	Trp	Pro	
			100					105					110			
Gly	Trp	Gly	Gly	His	Pro	Pro	Ser	Arg	Val	Gln	Gly	Arg	Gly	Gln	Glu	
		115					120					125				
His	Leu	Cys	Trp	Gly	Gly	Gly	Arg	Ala	Lys	Gly	Val	Cys	Leu	Pro	Asp	
130						135					140					
Ile	Gln	Thr	Leu	Phe	Tyr	Thr	Tyr	Ile								
145					150											

<210> 719
 <211> 46
 <212> PRT
 <213> Homo sapiens

	<400> 719															
Met	Arg	Met	Lys	Met	Arg	Lys	Arg	Lys	Trp	Gln	Leu	Gly	Gly	Cys	Pro	
1				5					10					15		
Pro	Asp	Gly	Val	Ser	Trp	Glu	Leu	Pro	Ser	Gly	Leu	Val	Leu	Pro	Ala	
			20					25					30			
Leu	Leu	Ile	Glu	Lys	Pro	Ala	Pro	Ser	Ala	Ala	Ala	Glu	Pro			
		35					40					45				

<210> 720
 <211> 99
 <212> PRT
 <213> Homo sapiens

	<400> 720															
Gly	Val	Ser	Trp	Glu	Gly	Thr	Pro	Met	Ser	Pro	Phe	Pro	Phe	Met	Gly	
1				5					10					15		
Leu	Gly	Ser	Gly	Val	Arg	Gly	Ser	His	Ser	Glu	Phe	Ala	Val	Thr	Gln	
			20					25					30			
Leu	Leu	Val	Asp	Leu	Pro	Thr	Lys	Phe	Gly	His	Val	Leu	Leu	Gly	Glu	
		35					40					45				

Ala Glu Trp Leu Arg Gln Gly Gln Met Leu Ala Val Leu Gln His Lys
50 55 60

Ser Thr Thr Val Thr Val Ile Ile Leu Pro Gly His Ile His Phe Glu
65 70 75 80

Val Thr Phe Pro Ala Leu Val Glu Ile Gln Ser Val Phe Leu Tyr Arg
85 90 95

Leu Cys Leu

<210> 721
<211> 90
<212> PRT
<213> Homo sapiens

<400> 721
Met Asp Tyr Gly Gly Leu Gln Ser Leu Leu Trp Thr Leu Thr Leu Ala
1 5 10 15

Ser Ser Pro Val Leu Phe Pro Met Ala Leu Gly Asp Pro Pro Gly Gln
20 25 30

Lys Gly Ser Gly Val Trp His Pro Leu Met Pro Ala Ser Ser Ser Ala
35 40 45

Met Cys Ala Ala Ser Gly Thr Met Trp Pro Arg Ser Tyr Phe Arg Ala
50 55 60

Gln Ile Trp Ala Pro Gln Lys Arg Gln Ser Gly Pro Gly Arg Lys Pro
65 70 75 80

Ala Ser Thr Ala Pro Cys Gly Arg Ser Met
85 90

<210> 722
<211> 288
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (268)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (271)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (273)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (286)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 722
Phe Ser Ser Ser Ala Cys Pro Ser Val Xaa Ser Leu Phe Val Xaa Leu
1 5 10 15
Gly Lys Asn Pro His Asp Ala Gln Gly His Pro Arg Ala Ser Glu Asp
20 25 30
Gln Pro Ser Ser Gly Lys Pro Val Thr Ser Tyr Pro Gly Glu Cys Gly
35 40 45
Phe Val Phe Thr Lys Glu Ala Ser Leu Glu Ile Arg Asp Met Leu Leu
50 55 60
Ala Asn Lys Val Pro Ala Ala Ala Arg Ala Gly Ala Ile Ala Pro Cys
65 70 75 80
Glu Val Thr Val Pro Ala Gln Asn Thr Gly Leu Gly Pro Glu Lys Thr
85 90 95
Ser Phe Phe Gln Ala Leu Gly Ile Thr Thr Lys Ile Ser Arg Gly Thr
100 105 110
Ile Glu Ile Leu Ser Asp Val Gln Leu Ile Lys Thr Gly Asp Lys Val
115 120 125
Gly Ala Ser Glu Ala Thr Leu Leu Asn Met Leu Asn Ile Ser Pro Phe
130 135 140
Ser Phe Gly Leu Ile Ile Gln Gln Val Phe Asp Asn Gly Ser Ile Tyr

145		150		155		160									
Asn	Pro	Glu	Val	Leu	Asp	Ile	Thr	Glu	Glu	Thr	Leu	His	Ser	Arg	Phe
				165					170					175	
Leu	Glu	Gly	Val	Arg	Asn	Val	Ala	Ser	Val	Cys	Leu	Gln	Ile	Gly	Tyr
			180					185					190		
Pro	Thr	Val	Ala	Ser	Val	Pro	His	Ser	Ile	Ile	Asn	Gly	Tyr	Lys	Arg
		195					200					205			
Val	Leu	Ala	Leu	Ser	Val	Glu	Thr	Asp	Tyr	Thr	Phe	Pro	Leu	Ala	Glu
	210					215					220				
Lys	Val	Lys	Ala	Phe	Leu	Ala	Asp	Pro	Ser	Ala	Phe	Val	Ala	Ala	Ala
225					230					235					240
Pro	Val	Ala	Ala	Ala	Thr	Thr	Ala	Ala	Pro	Ala	Ala	Ala	Ala	Ala	Pro
			245						250					255	
Ala	Lys	Val	Glu	Ala	Lys	Glu	Glu	Ser	Glu	Glu	Xaa	Asp	Glu	Xaa	Ile
			260					265					270		
Xaa	Xaa	Ser	Xaa	Ile	Ser	Lys	Ser	Asn	Asn	Ser	Ser	Gln	Xaa	Ile	Val
		275					280					285			

<210> 723
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 723
 Met Lys Thr Leu Leu Leu Leu Val Gly Leu Leu Leu Thr Trp Glu Asn
 1 5 10 15

Gly Arg Val Leu Gly Asp Gln Met Val Ser Asp Thr Glu Leu Gln Glu
 20 25 30

Met	Ser	Thr	Glu	Gly	Ser	Lys	Tyr	Ile	Asn	Arg	Glu	Ile	Lys	Asn	Ala
			35				40					45			
Leu	Lys	Gly	Val	Lys	Gln	Ile	Lys	Thr	Leu	Ile	Glu	Gln	Thr	Asn	Glu
	50					55					60				
Glu	Arg	Lys	Ser	Leu	Leu	Xaa	Asn	Leu	Glu	Glu	Ala	Lys	Lys	Lys	Lys
65					70				75						80
Glu	Asp	Ala	Leu	Asn	Asp	Thr	Lys	Asp	Ser	Glu	Met	Lys	Leu	Lys	Ala
				85					90					95	
Ser	Pro	Gly	Val	Phe	Asn	Xaa	Thr	Leu	Asp	Gly	Pro	Leu	Gly	Gly	Xaa
		100						105					110		

<210> 724
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 724
 Leu Leu Leu Val Gly Leu Gln Gln Leu Val Val Gln Ala Trp
 1 5 10

<210> 725
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 725
 Leu Leu Val Val Leu Leu Ser
 1 5

<210> 726
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 726
 Met Lys Thr Leu Leu Leu Leu Val Gly Leu Leu Leu Thr Trp Glu Asn
 1 5 10 15

Gly Arg Val Leu Gly Asp Gln Met Val Ser Asp Thr Glu Leu Gln Glu
 20 25 30

Met Ser Thr Glu Gly Ser Lys Tyr Ile Asn Arg Glu Ile Lys Asn Ala
 35 40 45

<210> 728
<211> 6
<212> PRT
<213> Homo sapiens

<400> 728
Met Leu Leu Leu Tyr Leu
1 5

<210> 729
<211> 14
<212> PRT
<213> Homo sapiens

<400> 729
Pro Gln Gly Pro Asn Asp Val Thr Ala Lys Leu Leu Cys Pro
1 5 10

<210> 730
<211> 67
<212> PRT
<213> Homo sapiens

<400> 730
Met Ala Pro Ser Gly Pro Leu Leu Leu Val Leu Leu Val Pro Leu Ala
1 5 10 15

Ala Ala Arg Pro Gly Pro Thr Ser Val Pro Ala Gly Ala Ala Ala Cys
20 25 30

Pro Cys Gly Gly Thr Ser Cys Arg Gly Trp Gly Ala Gly Pro Thr Pro
35 40 45

Gly Arg Thr Ser Thr Cys Pro His Leu Thr Cys Pro Arg Ala Gly Thr
50 55 60

Gly Ala Thr
65

<210> 731
<211> 129
<212> PRT
<213> Homo sapiens

<400> 731

Met	Ala	Pro	Ser	Gly	Pro	Leu	Leu	Leu	Val	Leu	Leu	Val	Pro	Leu	Ala	
1				5					10					15		
Ala	Ala	Arg	Ala	Gly	Pro	Tyr	Phe	Arg	Pro	Gly	Arg	Gly	Cys	Arg	Leu	
			20					25					30			
Pro	Leu	Arg	Gly	Asp	Gln	Leu	Ser	Gly	Leu	Gly	Arg	Arg	Thr	Tyr	Pro	
		35					40					45				
Arg	Pro	His	Glu	Tyr	Leu	Ser	Pro	Ser	Asp	Leu	Pro	Lys	Ser	Trp	Asp	
	50					55					60					
Trp	Arg	Asn	Val	Asn	Gly	Val	Asn	Tyr	Ala	Ser	Ala	Thr	Arg	Asn	Gln	
65					70					75					80	
His	Ile	Pro	Gln	Tyr	Cys	Gly	Ser	Cys	Trp	Ala	His	Gly	Ser	Thr	Ser	
			85						90					95		
Ala	Met	Ala	Gly	Pro	Asp	Gln	His	Gln	Glu	Lys	Gly	Gly	Val	Ala	Leu	
			100					105					110			
His	Pro	Ala	Val	Arg	Ala	Ala	Arg	Pro	Arg	Leu	Arg	Gln	Arg	Gly	Leu	
		115					120					125				

Leu

<210> 732
 <211> 208
 <212> PRT
 <213> Homo sapiens

Met	Gly	Leu	Gly	Ala	Arg	Gly	Ala	Trp	Ala	Ala	Leu	Leu	Leu	Gly	Thr	
1				5					10					15		
Leu	Gln	Val	Leu	Ala	Leu	Leu	Gly	Ala	Ala	His	Glu	Ser	Ala	Ala	Met	
			20					25					30			
Ala	Ala	Ser	Ala	Asn	Ile	Glu	Asn	Ser	Gly	Leu	Pro	His	Asn	Ser	Ser	
		35					40					45				
Ala	Asn	Ser	Thr	Glu	Thr	Leu	Gln	His	Val	Pro	Ser	Asp	His	Thr	Asn	
	50					55					60					
Glu	Thr	Ser	Asn	Ser	Thr	Val	Lys	Pro	Pro	Thr	Ser	Val	Ala	Ser	Asp	
65					70					75					80	
Ser	Ser	Asn	Thr	Thr	Val	Thr	Thr	Met	Lys	Pro	Thr	Ala	Ala	Ser	Asn	
			85					90						95		
Thr	Thr	Thr	Pro	Gly	Met	Val	Ser	Thr	Asn	Met	Thr	Ser	Thr	Thr	Leu	
			100					105					110			
Lys	Ser	Thr	Pro	Lys	Thr	Thr	Ser	Val	Ser	Gln	Asn	Thr	Ser	Gln	Ile	

	115		120		125										
Ser	Thr	Ser	Thr	Met	Thr	Val	Thr	His	Asn	Ser	Ser	Val	Thr	Ser	Ala
	130						135				140				
Ala	Ser	Ser	Val	Thr	Ile	Thr	Thr	Thr	Met	His	Ser	Glu	Ala	Lys	Lys
145					150					155					160
Gly	Ser	Lys	Phe	Asp	Thr	Gly	Ser	Phe	Val	Gly	Gly	Ile	Val	Leu	Thr
				165					170					175	
Leu	Gly	Val	Leu	Ser	Ile	Leu	Tyr	Ile	Gly	Cys	Lys	Met	Tyr	Tyr	Ser
			180					185					190		
Arg	Arg	Gly	Ile	Arg	Tyr	Arg	Thr	Ile	Asp	Glu	His	Asp	Ala	Ile	Ile
		195					200					205			

<210> 733
 <211> 208
 <212> PRT
 <213> Homo sapiens

<400> 733															
Met	Gly	Leu	Gly	Ala	Arg	Gly	Ala	Trp	Ala	Ala	Leu	Leu	Leu	Gly	Thr
1				5					10					15	
Leu	Gln	Val	Leu	Ala	Leu	Leu	Gly	Ala	Ala	His	Glu	Ser	Ala	Ala	Met
			20					25					30		
Ala	Ala	Ser	Ala	Asn	Ile	Glu	Asn	Ser	Gly	Leu	Pro	His	Asn	Ser	Ser
			35				40					45			
Ala	Asn	Ser	Thr	Glu	Thr	Leu	Gln	His	Val	Pro	Ser	Asp	His	Thr	Asn
	50					55					60				
Glu	Thr	Ser	Asn	Ser	Thr	Val	Lys	Pro	Pro	Thr	Ser	Val	Ala	Ser	Asp
65					70					75					80
Ser	Ser	Asn	Thr	Thr	Val	Thr	Thr	Met	Lys	Pro	Thr	Ala	Ala	Ser	Asn
				85					90					95	
Thr	Thr	Thr	Pro	Gly	Met	Val	Ser	Thr	Asn	Met	Thr	Ser	Thr	Thr	Leu
			100					105					110		
Lys	Ser	Thr	Pro	Lys	Thr	Thr	Ser	Val	Ser	Gln	Asn	Thr	Ser	Gln	Ile
		115					120					125			
Ser	Thr	Ser	Thr	Met	Thr	Val	Thr	His	Asn	Ser	Ser	Val	Thr	Ser	Ala
	130					135					140				
Ala	Ser	Ser	Val	Thr	Ile	Thr	Thr	Thr	Met	His	Ser	Glu	Ala	Lys	Lys
145					150					155					160

Gly	Ser	Lys	Phe	Asp	Thr	Gly	Ser	Phe	Val	Gly	Gly	Ile	Val	Leu	Thr
			165						170					175	
Leu	Gly	Val	Leu	Ser	Ile	Leu	Tyr	Ile	Gly	Cys	Lys	Met	Tyr	Tyr	Ser
		180						185					190		
Arg	Arg	Gly	Ile	Arg	Tyr	Arg	Thr	Ile	Asp	Glu	His	Asp	Ala	Ile	Ile
		195					200					205			

<210> 734
 <211> 208
 <212> PRT
 <213> Homo sapiens

<400> 734															
Met	Gly	Leu	Gly	Ala	Arg	Gly	Ala	Trp	Ala	Ala	Leu	Leu	Leu	Gly	Thr
1				5					10					15	
Leu	Gln	Val	Leu	Ala	Leu	Leu	Gly	Ala	Ala	His	Glu	Ser	Ala	Ala	Met
		20					25						30		
Ala	Ala	Ser	Ala	Asn	Ile	Glu	Asn	Ser	Gly	Leu	Pro	His	Asn	Ser	Ser
		35					40					45			
Ala	Asn	Ser	Thr	Glu	Thr	Leu	Gln	His	Val	Pro	Ser	Asp	His	Thr	Asn
	50					55					60				
Glu	Thr	Ser	Asn	Ser	Thr	Val	Lys	Pro	Pro	Thr	Ser	Val	Ala	Ser	Asp
65					70					75					80
Ser	Ser	Asn	Thr	Thr	Val	Thr	Thr	Met	Lys	Pro	Thr	Ala	Ala	Ser	Asn
			85						90					95	
Thr	Thr	Thr	Pro	Gly	Met	Val	Ser	Thr	Asn	Met	Thr	Ser	Thr	Thr	Leu
			100					105					110		
Lys	Ser	Thr	Pro	Lys	Thr	Thr	Ser	Val	Ser	Gln	Asn	Thr	Ser	Gln	Ile
		115					120					125			
Ser	Thr	Ser	Thr	Met	Thr	Val	Thr	His	Asn	Ser	Ser	Val	Thr	Ser	Ala
	130					135					140				
Ala	Ser	Ser	Val	Thr	Ile	Thr	Thr	Thr	Met	His	Ser	Glu	Ala	Lys	Lys
145					150					155					160
Gly	Ser	Lys	Phe	Asp	Thr	Gly	Ser	Phe	Val	Gly	Gly	Ile	Val	Leu	Thr
			165						170					175	
Leu	Gly	Val	Leu	Ser	Ile	Leu	Tyr	Ile	Gly	Cys	Lys	Met	Tyr	Tyr	Ser
		180						185					190		

Arg Arg Gly Ile Arg Tyr Arg Thr Ile Asp Glu His Asp Ala Ile Ile
195 200 205

<210> 735
<211> 208
<212> PRT
<213> Homo sapiens

<400> 735
Met Gly Leu Gly Ala Arg Gly Ala Trp Ala Ala Leu Leu Leu Gly Thr
1 5 10 15
Leu Gln Val Leu Ala Leu Leu Gly Ala Ala His Glu Ser Ala Ala Met
20 25 30
Ala Ala Ser Ala Asn Ile Glu Asn Ser Gly Leu Pro His Asn Ser Ser
35 40 45
Ala Asn Ser Thr Glu Thr Leu Gln His Val Pro Ser Asp His Thr Asn
50 55 60
Glu Thr Ser Asn Ser Thr Val Lys Pro Pro Thr Ser Val Ala Ser Asp
65 70 75 80
Ser Ser Asn Thr Thr Val Thr Thr Met Lys Pro Thr Ala Ala Ser Asn
85 90 95
Thr Thr Thr Pro Gly Met Val Ser Thr Asn Met Thr Ser Thr Thr Leu
100 105 110
Lys Ser Thr Pro Lys Thr Thr Ser Val Ser Gln Asn Thr Ser Gln Ile
115 120 125
Ser Thr Ser Thr Met Thr Val Thr His Asn Ser Ser Val Thr Ser Ala
130 135 140
Ala Ser Ser Val Thr Ile Thr Thr Thr Met His Ser Glu Ala Lys Lys
145 150 155 160
Gly Ser Lys Phe Asp Thr Gly Ser Phe Val Gly Gly Ile Val Leu Thr
165 170 175
Leu Gly Val Leu Ser Ile Leu Tyr Ile Gly Cys Lys Met Tyr Tyr Ser
180 185 190
Arg Arg Gly Ile Arg Tyr Arg Thr Ile Asp Glu His Asp Ala Ile Ile
195 200 205

<210> 736
 <211> 365
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (144)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (201)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 736
 Met Phe Val Gly Leu Met Ala Phe Leu Leu Ser Phe Tyr Leu Ile Phe
 1 5 10 15
 Thr Asn Glu Gly Arg Ala Leu Lys Thr Ala Thr Ser Leu Ala Glu Gly
 20 25 30
 Leu Ser Leu Val Val Ser Pro Asp Ser Ile His Ser Val Ala Pro Glu
 35 40 45
 Asn Glu Gly Arg Leu Val His Ile Ile Gly Ala Leu Arg Thr Ser Lys
 50 55 60
 Leu Leu Ser Asp Pro Asn Tyr Gly Val His Leu Pro Ala Val Lys Leu
 65 70 75 80
 Arg Arg His Val Glu Met Tyr Gln Trp Val Glu Thr Glu Glu Ser Arg
 85 90 95
 Glu Tyr Thr Glu Asp Gly Gln Val Lys Lys Glu Thr Arg Tyr Ser Tyr
 100 105 110
 Asn Thr Glu Trp Arg Ser Glu Ile Ile Asn Ser Lys Asn Phe Asp Arg
 115 120 125
 Glu Ile Gly His Lys Asn Pro Ser Ala Met Ala Val Glu Ser Phe Xaa
 130 135 140
 Ala Thr Ala Pro Phe Val Gln Ile Gly Arg Phe Phe Leu Ser Ser Gly
 145 150 155 160
 Leu Ile Asp Lys Val Asp Asn Phe Lys Ser Leu Ser Leu Ser Lys Leu
 165 170 175
 Glu Asp Pro His Val Asp Ile Ile Arg Arg Gly Asp Phe Phe Tyr His
 180 185 190
 Ser Glu Asn Pro Lys Tyr Pro Glu Xaa Gly Asp Leu Arg Val Ser Phe
 195 200 205
 Ser Tyr Ala Gly Leu Ser Gly Asp Asp Pro Asp Leu Gly Pro Ala His

210		215		220
Val Val Thr Val Ile Ala Arg Gln Arg Gly Asp Gln Leu Val Pro Phe				
225		230		240
Ser Thr Lys Ser Gly Asp Thr Leu Leu Leu Leu His His Gly Asp Phe				
	245		250	255
Ser Ala Glu Glu Val Phe His Arg Glu Leu Arg Ser Asn Ser Met Lys				
	260		265	270
Thr Trp Gly Leu Arg Ala Ala Gly Trp Met Ala Met Phe Met Gly Leu				
	275		280	285
Asn Leu Met Thr Arg Ile Leu Tyr Thr Leu Val Asp Trp Phe Pro Val				
	290		295	300
Phe Arg Asp Leu Val Asn Ile Gly Leu Lys Ala Phe Ala Phe Cys Val				
305		310		320
Ala Thr Ser Leu Thr Leu Leu Thr Val Ala Ala Gly Trp Leu Phe Tyr				
	325		330	335
Arg Pro Leu Trp Ala Leu Leu Ile Ala Gly Leu Ala Leu Val Pro Ile				
	340		345	350
Leu Val Ala Arg Thr Arg Val Pro Ala Lys Lys Leu Glu				
	355		360	365

<210> 737
 <211> 365
 <212> PRT
 <213> Homo sapiens

<400> 737

Met Phe Val Gly Leu Met Ala Phe Leu Leu Ser Phe Tyr Leu Ile Phe				
1		5		10
Thr Asn Glu Gly Arg Ala Leu Lys Thr Ala Thr Ser Leu Ala Glu Gly				
	20		25	30
Leu Ser Leu Val Val Ser Pro Asp Ser Ile His Ser Val Ala Pro Glu				
	35		40	45
Asn Glu Gly Arg Leu Val His Ile Ile Gly Ala Leu Arg Thr Ser Lys				
	50		55	60
Leu Leu Ser Asp Pro Asn Tyr Gly Val His Leu Pro Ala Val Lys Leu				
	65		70	75
Arg Arg His Val Glu Met Tyr Gln Trp Val Glu Thr Glu Glu Ser Arg				
	85		90	95
Glu Tyr Thr Glu Asp Gly Gln Val Lys Lys Glu Thr Arg Tyr Ser Tyr				
	100		105	110

Met Leu Trp Pro Cys Cys Pro Ser Pro Leu Pro Ile Trp Ala Ser Pro
1 5 10 15

Ser Pro Arg Leu Thr Trp Trp Cys Leu Leu Ser Cys Phe Gly Thr Gln
20 25 30

Gly Cys

<210> 739

<211> 34

<212> PRT

<213> Homo sapiens

<400> 739

Met Leu Trp Pro Cys Cys Pro Ser Pro Leu Pro Ile Trp Ala Ser Pro
1 5 10 15

Ser Pro Arg Leu Thr Trp Trp Cys Leu Leu Ser Cys Phe Gly Thr Gln
20 25 30

Gly Cys

<210> 740

<211> 41

<212> PRT

<213> Homo sapiens

<400> 740

Met Arg His Cys Cys Trp Leu Trp Ser Ser Cys Met Leu Trp Glu Pro
1 5 10 15

Ser Thr Thr Leu Gly Ser Ser Pro Arg Leu Val Glu Arg Trp Gln Ser
20 25 30

Cys Arg Trp Thr Pro Cys Cys Pro Lys
35 40

<210> 741

<211> 41

<212> PRT

<213> Homo sapiens

<400> 741

Met Arg His Cys Cys Trp Leu Trp Ser Ser Cys Met Leu Trp Glu Pro
1 5 10 15

Ser Thr Thr Leu Gly Ser Ser Pro Arg Leu Val Glu Arg Trp Gln Ser
20 25 30

Cys Arg Trp Thr Pro Cys Cys Pro Lys
35 40

<210> 742
<211> 18
<212> PRT
<213> Homo sapiens

<400> 742
Val His Lys Ser Ala Gly Leu Leu Trp Glu Ala Thr Gly Glu Gly Pro
1 5 10 15

Gly Ser

<210> 743
<211> 197
<212> PRT
<213> Homo sapiens

<400> 743
Val Glu Ile Val His Glu Leu Lys Gly Glu Gly Lys Ala Gln Arg Lys
1 5 10 15

Ile Ser Ala Ile His Ile Leu Asp Val Leu Val Leu Asn Gly Thr Asp
20 25 30

Val Arg Glu Gln His Phe Asn Gln Arg Ile Gln Leu Ala Glu Lys Phe
35 40 45

Val Lys Ala Val Ser Lys Pro Ser Arg Pro Asp Met Asn Pro Ile Arg
50 55 60

Val Lys Glu Val Tyr Arg Leu Glu Glu Met Glu Lys Ile Phe Val Arg
65 70 75 80

Leu Glu Met Lys Ile Ile Lys Gly Ser Ser Gly Thr Pro Lys Leu Ser
85 90 95

Tyr Thr Gly Arg Asp Asp Arg His Phe Val Pro Met Gly Leu Tyr Ile
100 105 110

Val Arg Thr Val Asn Glu Pro Trp Thr Met Gly Phe Ser Lys Ser Phe
115 120 125

Lys Lys Lys Phe Phe Tyr Asn Lys Lys Thr Lys Asp Ser Thr Phe Asp
130 135 140

Leu Pro Ala Asp Ser Ile Ala Pro Phe His Ile Cys Tyr Tyr Gly Arg
145 150 155 160

Leu Phe Trp Glu Trp Gly Asp Gly Ile Arg Val His Asp Ser Gln Lys
165 170 175

Pro Gln Asp Gln Asp Lys Leu Ser Lys Glu Asp Val Leu Ser Phe Ile
180 185 190

Gln Met His Arg Ala
195

<210> 744
<211> 1
<212> PRT
<213> Homo sapiens

<400> 744
Asn
1

<210> 745
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 745
Met His Ser Lys Gln Thr Leu Leu Trp Lys Glu Leu Leu Leu Ala Ile
1 5 10 15

Pro Cys Ile Ile Ala Ser Pro Arg Ser Leu Trp Pro Arg Trp Ala Ser
20 25 30

Gly Lys Val Lys Asp Trp Val Asn Thr Ala Arg Val Gly Arg Thr Ser
35 40 45

Leu Arg Leu Pro Val Arg Lys Val Glu Xaa Ala Trp Val
50 55 60

<210> 746
<211> 61
<212> PRT
<213> Homo sapiens

<400> 746
Met His Ser Lys Gln Thr Leu Leu Trp Lys Glu Leu Leu Leu Ala Ile
1 5 10 15

Pro Cys Ile Ile Ala Ser Pro Arg Ser Leu Trp Pro Arg Trp Ala Ser
20 25 30

Gly Lys Val Lys Asp Trp Val Asn Thr Ala Arg Val Gly Arg Thr Ser
35 40 45

Leu Arg Leu Pro Val Arg Lys Val Glu Glu Ala Trp Val
50 55 60

<210> 747
<211> 53
<212> PRT
<213> Homo sapiens

<400> 747
Asn Tyr Asn Arg Gly Gly Thr Phe Leu Tyr Gln Lys Ala Lys Ile Lys
1 5 10 15

His His Val Leu Met Val Phe Tyr Lys Ser Thr Ser Asn Ser Thr Glu
20 25 30

Ser Leu Ile Trp Ser Leu Leu Asn Ser Trp Ser Asp Lys Val Thr Phe
35 40 45

Pro Lys Arg Val Arg
50

<210> 748
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 748
Lys Ser Gln Met Gln Ser Phe Thr Ile Val Thr Ala Tyr Gly Arg Cys
1 5 10 15

Leu Ser Leu Thr Cys Leu Pro Thr Leu Asn Gln Met Leu Val Phe Lys
20 25 30

Ser Asn Xaa Ser Leu Val Ser Pro His Xaa Leu Thr Phe Xaa Asn Ile
35 40 45

Phe Ala Arg Phe Glu Asn Phe Gln
50 55

<210> 749
<211> 11
<212> PRT
<213> Homo sapiens

<400> 749
Phe Leu Val Cys Leu Leu Leu Gly Pro Arg Ser
1 5 10

<210> 750
<211> 6
<212> PRT
<213> Homo sapiens

<400> 750
Thr Val Ala Ile Tyr Asp
1 5

<210> 751
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 751
Ile Asn His Val Phe Ile Trp Gly Ser Ile Ala Ile Tyr Phe Ser Ile
1 5 10 15

Leu Phe Thr Met His Ser Asn Gly Ile Phe Gly Ile Phe Pro Asn Gln
20 25 30

Phe Pro Phe Val Gly Asn Ala Arg His Ser Leu Thr Xaa Lys
35 40 45

<210> 752
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 752

Met	Asn	Thr	Leu	Val	Leu	Trp	Ile	Phe	Gly	Phe	Leu	Ile	Cys	Leu	Gly
1				5					10					15	
Ile	Ile	Leu	Ala	Ile	Gly	Asn	Ser	Ile	Trp	Glu	Ser	Gln	Thr	Gly	Asp
			20					25					30		
Gln	Phe	Arg	Thr	Phe	Leu	Phe	Trp	Asn	Glu	Gly	Glu	Lys	Ser	Ser	Val
		35					40					45			
Phe	Ser	Gly	Phe	Leu	Thr	Phe	Trp	Ser	Tyr	Ile	Ile	Ile	Leu	Asn	Thr
	50					55					60				
Val	Val	Pro	Ile	Ser	Leu	Tyr	Val	Ser	Val	Glu	Val	Ile	Arg	Leu	Gly
65					70					75					80
His	Ser	Tyr	Phe	Ile	Asn	Trp	Asp	Arg	Lys	Met	Tyr	Tyr	Xaa	Arg	Lys
				85					90					95	
Ala	Ile	Pro	Ala	Val	Ala	Arg	Thr	Thr	Thr	Leu	Asn	Glu			
			100					105							

<210> 753

<211> 937

<212> PRT

<213> Homo sapiens

<400> 753

Met	Gln	Asn	Ser	Gly	Lys	Thr	Lys	Phe	Lys	Arg	Thr	Ser	Ile	Asp	Arg
1				5					10					15	
Leu	Met	Asn	Thr	Leu	Val	Leu	Trp	Ile	Phe	Gly	Phe	Leu	Ile	Cys	Leu
			20					25					30		
Gly	Ile	Ile	Leu	Ala	Ile	Gly	Asn	Ser	Ile	Trp	Glu	Ser	Gln	Thr	Gly
		35					40					45			
Asp	Gln	Phe	Arg	Thr	Phe	Leu	Phe	Trp	Asn	Glu	Gly	Glu	Lys	Ser	Ser
	50					55					60				
Val	Phe	Ser	Gly	Phe	Leu	Thr	Phe	Trp	Ser	Tyr	Ile	Ile	Ile	Leu	Asn
65					70					75					80
Thr	Val	Val	Pro	Ile	Ser	Leu	Tyr	Val	Ser	Val	Glu	Val	Ile	Arg	Leu
				85					90					95	
Gly	His	Ser	Tyr	Phe	Ile	Asn	Trp	Asp	Arg	Lys	Met	Tyr	Tyr	Ser	Arg
			100					105					110		
Lys	Ala	Ile	Pro	Ala	Val	Ala	Arg	Thr	Thr	Thr	Leu	Asn	Glu	Glu	Leu
		115					120					125			

Gly	Gln	Ile	Glu	Tyr	Ile	Phe	Ser	Asp	Lys	Thr	Gly	Thr	Leu	Thr	Gln		
	130					135					140						
Asn	Ile	Met	Thr	Phe	Lys	Arg	Cys	Ser	Ile	Asn	Gly	Arg	Ile	Tyr	Gly		
145					150					155					160		
Glu	Val	His	Asp	Asp	Leu	Asp	Gln	Lys	Thr	Glu	Ile	Thr	Gln	Glu	Lys		
				165					170					175			
Glu	Pro	Val	Asp	Phe	Ser	Val	Lys	Ser	Gln	Ala	Asp	Arg	Glu	Phe	Gln		
			180					185					190				
Phe	Phe	Asp	His	Asn	Leu	Met	Glu	Ser	Ile	Lys	Met	Gly	Asp	Pro	Lys		
		195					200					205					
Val	His	Glu	Phe	Leu	Arg	Leu	Leu	Ala	Leu	Cys	His	Thr	Val	Met	Ser		
	210					215					220						
Glu	Glu	Asn	Ser	Ala	Gly	Glu	Leu	Ile	Tyr	Gln	Val	Gln	Ser	Pro	Asp		
225					230					235					240		
Glu	Gly	Ala	Leu	Val	Thr	Ala	Ala	Arg	Asn	Phe	Gly	Phe	Ile	Phe	Lys		
				245					250					255			
Ser	Arg	Thr	Pro	Glu	Thr	Ile	Thr	Ile	Glu	Glu	Leu	Gly	Thr	Leu	Val		
			260					265					270				
Thr	Tyr	Gln	Leu	Leu	Ala	Phe	Leu	Asp	Phe	Asn	Asn	Thr	Arg	Lys	Arg		
		275					280					285					
Met	Ser	Val	Ile	Val	Arg	Asn	Pro	Glu	Gly	Gln	Ile	Lys	Leu	Tyr	Ser		
	290					295					300						
Lys	Gly	Ala	Asp	Thr	Ile	Leu	Phe	Glu	Lys	Leu	His	Pro	Ser	Asn	Glu		
305					310					315					320		
Val	Leu	Leu	Ser	Leu	Thr	Ser	Asp	His	Leu	Ser	Glu	Phe	Ala	Gly	Glu		
				325					330					335			
Gly	Leu	Arg	Thr	Leu	Ala	Ile	Ala	Tyr	Arg	Asp	Leu	Asp	Asp	Lys	Tyr		
			340					345					350				
Phe	Lys	Glu	Trp	His	Lys	Met	Leu	Glu	Asp	Ala	Asn	Val	Ala	Thr	Glu		
		355					360					365					
Glu	Arg	Asp	Glu	Arg	Ile	Ala	Gly	Leu	Tyr	Glu	Glu	Ile	Glu	Arg	Asp		
	370					375					380						
Leu	Met	Leu	Leu	Gly	Ala	Thr	Ala	Val	Glu	Asp	Lys	Leu	Gln	Glu	Gly		
385					390					395					400		
Val	Ile	Glu	Thr	Val	Thr	Ser	Leu	Ser	Leu	Ala	Asn	Ile	Lys	Ile	Trp		
				405					410					415			
Val	Leu	Thr	Gly	Asp	Lys	Gln	Glu	Thr	Ala	Ile	Asn	Ile	Gly	Tyr	Ala		
			420					425					430				

Cys	Asn	Met	Leu	Thr	Asp	Asp	Met	Asn	Asp	Val	Phe	Val	Ile	Ala	Gly		
	435						440					445					
Asn	Asn	Ala	Val	Glu	Val	Arg	Glu	Glu	Leu	Arg	Lys	Ala	Lys	Gln	Asn		
	450					455					460						
Leu	Phe	Gly	Gln	Asn	Arg	Asn	Phe	Ser	Asn	Gly	His	Val	Val	Cys	Glu		
465					470					475					480		
Lys	Lys	Gln	Gln	Leu	Glu	Leu	Asp	Ser	Ile	Val	Glu	Glu	Thr	Ile	Thr		
				485					490					495			
Gly	Asp	Tyr	Ala	Leu	Ile	Ile	Asn	Gly	His	Ser	Leu	Ala	His	Ala	Leu		
			500					505					510				
Glu	Ser	Asp	Val	Lys	Asn	Asp	Leu	Leu	Glu	Leu	Ala	Cys	Met	Cys	Lys		
		515					520					525					
Thr	Val	Ile	Cys	Cys	Arg	Val	Thr	Pro	Leu	Gln	Lys	Ala	Gln	Val	Val		
	530					535					540						
Glu	Leu	Val	Lys	Lys	Tyr	Arg	Asn	Ala	Val	Thr	Leu	Ala	Ile	Gly	Asp		
545					550					555					560		
Gly	Ala	Asn	Asp	Val	Ser	Met	Ile	Lys	Ser	Ala	His	Ile	Gly	Val	Gly		
				565					570					575			
Ile	Ser	Gly	Gln	Glu	Gly	Leu	Gln	Ala	Val	Leu	Ala	Ser	Asp	Tyr	Ser		
			580					585					590				
Phe	Ala	Gln	Phe	Arg	Tyr	Leu	Gln	Arg	Leu	Leu	Leu	Val	His	Gly	Arg		
		595					600					605					
Trp	Ser	Tyr	Phe	Arg	Met	Cys	Lys	Phe	Leu	Cys	Tyr	Phe	Phe	Tyr	Lys		
	610					615					620						
Asn	Phe	Ala	Phe	Thr	Leu	Val	His	Phe	Trp	Phe	Gly	Phe	Phe	Cys	Gly		
625					630					635					640		
Phe	Ser	Ala	Gln	Thr	Val	Tyr	Asp	Gln	Trp	Phe	Ile	Thr	Leu	Phe	Asn		
				645					650					655			
Ile	Val	Tyr	Thr	Ser	Leu	Pro	Val	Leu	Ala	Met	Gly	Ile	Phe	Asp	Gln		
			660					665					670				
Asp	Val	Ser	Asp	Gln	Asn	Ser	Val	Asp	Cys	Pro	Gln	Leu	Tyr	Lys	Pro		
		675					680					685					
Gly	Gln	Leu	Asn	Leu	Leu	Phe	Asn	Lys	Arg	Lys	Phe	Phe	Ile	Cys	Val		
	690					695					700						
Met	His	Gly	Ile	Tyr	Thr	Ser	Leu	Val	Leu	Phe	Phe	Ile	Pro	Tyr	Gly		
705					710					715					720		
Ala	Phe	Tyr	Asn	Val	Ala	Gly	Glu	Asp	Gly	Gln	His	Ile	Ala	Asp	Tyr		
			725						730					735			

Gln Ser Phe Ala Val Thr Met Ala Thr Ser Leu Val Ile Val Val Ser
 740 745 750
 Val Gln Ile Ala Leu Asp Thr Ser Tyr Trp Thr Phe Ile Asn His Val
 755 760 765
 Phe Ile Trp Gly Ser Ile Ala Ile Tyr Phe Ser Ile Leu Phe Thr Met
 770 775 780
 His Ser Asn Gly Ile Phe Gly Ile Phe Pro Asn Gln Phe Pro Phe Val
 785 790 795 800
 Gly Asn Ala Arg His Ser Leu Thr Gln Lys Cys Ile Trp Leu Val Ile
 805 810 815
 Leu Leu Thr Thr Val Ala Ser Val Met Pro Val Val Ala Phe Arg Phe
 820 825 830
 Leu Lys Val Asp Leu Tyr Pro Thr Leu Ser Asp Gln Ile Arg Arg Trp
 835 840 845
 Gln Lys Ala Gln Lys Lys Ala Arg Pro Pro Ser Ser Arg Arg Pro Arg
 850 855 860
 Thr Arg Arg Ser Ser Ser Arg Arg Ser Gly Tyr Ala Phe Ala His Gln
 865 870 875 880
 Glu Gly Tyr Gly Glu Leu Ile Thr Ser Gly Lys Asn Met Arg Ala Lys
 885 890 895
 Asn Pro Pro Pro Thr Ser Gly Leu Glu Lys Thr His Tyr Asn Ser Thr
 900 905 910
 Ser Trp Ile Glu Asn Leu Cys Lys Lys Thr Thr Asp Thr Val Ser Ser
 915 920 925
 Phe Ser Gln Asp Lys Thr Val Lys Leu
 930 935

<210> 754
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 754
 Ile Asn Ser Cys Asn Ile Lys Gly Leu Lys Cys Phe Tyr Ile Val Phe
 1 5 10 15
 Gly Cys Leu Leu Leu Val Pro Ile Ser Asp Lys Leu Tyr Gly Leu Leu
 20 25 30
 His Leu Ile Pro Phe Ile Trp Arg Val Leu Leu Pro Cys
 35 40 45

<210> 755
<211> 137
<212> PRT
<213> Homo sapiens

<400> 755
Met Lys Leu Leu Val Ile Leu Leu Phe Ser Gly Leu Ile Thr Gly Phe
1 5 10 15
Arg Ser Asp Ser Ser Ser Ser Leu Pro Pro Lys Leu Leu Leu Val Ser
20 25 30
Phe Asp Gly Phe Arg Ala Asp Tyr Leu Lys Asn Tyr Glu Phe Pro His
35 40 45
Leu Gln Asn Phe Ile Lys Glu Gly Val Leu Val Glu His Val Lys Asn
50 55 60
Val Phe Ile Thr Lys Thr Phe Pro Asn His Tyr Ser Ile Val Thr Gly
65 70 75 80
Leu Tyr Glu Glu Ser His Gly Ile Val Ala Asn Ser Met Tyr Asp Ala
85 90 95
Val Thr Lys Lys His Phe Ser Asp Ser Asn Asp Lys Asp Pro Phe Trp
100 105 110
Trp Asn Glu Ala Val Pro Ile Trp Val Thr Asn Gln Leu Gln Glu Thr
115 120 125
Asp Gln Val Ala Ala Ala Met Trp Ala
130 135

<210> 756
<211> 6
<212> PRT
<213> Homo sapiens

<400> 756
Lys Met Met Met Ile Leu
1 5

<210> 757
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 757

Ser Phe Ser Phe Lys Val Val Asp Val Phe Glu Val Ser Lys Ile Val
1 5 10 15

Ala Glu Tyr Phe Ile Leu Gly Pro Cys Asn Gly Val Ser Phe Asn Asp
20 25 30

Cys Ile Ile Val Ile Gly Gly Tyr Glu Phe Gln Lys Ser Ile Leu Gly
35 40 45

Ile Gln Leu Met Ser Gly Phe Tyr Ile Gly Trp Asn Arg Lys Val Cys
50 55 60

Pro Val Ser Ile Leu Thr Leu Ser Thr Arg His Leu Pro Ile Cys Leu
65 70 75 80

Ser Leu Arg Ser Gln Asn Ile Asn Ser Asn Cys Lys Leu Ser Lys Asn
85 90 95

Xaa Lys Ser Ile Cys
100

<210> 758

<211> 12

<212> PRT

<213> Homo sapiens

<400> 758

Leu Leu Thr Ile Leu Leu Trp Ser Ala Leu Ser Tyr
1 5 10

<210> 759

<211> 453

<212> PRT

<213> Homo sapiens

<400> 759

Met Lys Leu Leu Val Ile Leu Leu Phe Ser Gly Leu Ile Thr Gly Phe
1 5 10 15

Arg Ser Asp Ser Ser Ser Ser Leu Pro Pro Lys Leu Leu Leu Val Ser
20 25 30

Phe Asp Gly Phe Arg Ala Asp Tyr Leu Lys Asn Tyr Glu Phe Pro His
35 40 45

Leu Gln Asn Phe Ile Lys Glu Gly Val Leu Val Glu His Val Lys Asn
50 55 60

Val Phe Ile Thr Lys Thr Phe Pro Asn His Tyr Ser Ile Val Thr Gly
65 70 75 80

Leu Tyr Glu Glu Ser His Gly Ile Val Ala Asn Ser Met Tyr Asp Ala

85							90					95				
Val	Thr	Lys	Lys	His	Phe	Ser	Asp	Ser	Asn	Asp	Lys	Asp	Pro	Phe	Trp	
			100					105					110			
Trp	Asn	Glu	Ala	Val	Pro	Ile	Trp	Val	Thr	Asn	Gln	Leu	Gln	Glu	Asn	
		115					120					125				
Arg	Ser	Ser	Ala	Ala	Ala	Met	Trp	Pro	Gly	Thr	Asp	Val	Pro	Ile	His	
	130					135					140					
Asp	Thr	Ile	Ser	Ser	Tyr	Phe	Met	Asn	Tyr	Asn	Ser	Ser	Val	Ser	Phe	
145					150					155					160	
Glu	Glu	Arg	Leu	Asn	Asn	Ile	Thr	Met	Trp	Leu	Asn	Asn	Ser	Asn	Pro	
				165					170					175		
Pro	Val	Thr	Phe	Ala	Thr	Leu	Tyr	Trp	Glu	Glu	Pro	Asp	Ala	Ser	Gly	
			180					185					190			
His	Lys	Tyr	Gly	Pro	Glu	Asp	Lys	Glu	Asn	Met	Ser	Arg	Val	Leu	Lys	
		195					200					205				
Lys	Ile	Asp	Asp	Leu	Ile	Gly	Asp	Leu	Val	Gln	Arg	Leu	Lys	Met	Leu	
	210					215					220					
Gly	Leu	Trp	Glu	Asn	Leu	Asn	Val	Ile	Ile	Thr	Ser	Asp	His	Gly	Met	
225					230					235					240	
Thr	Gln	Cys	Ser	Gln	Asp	Arg	Leu	Ile	Asn	Leu	Asp	Ser	Cys	Ile	Asp	
				245					250					255		
His	Ser	Tyr	Tyr	Thr	Leu	Ile	Asp	Leu	Ser	Pro	Val	Ala	Ala	Ile	Leu	
			260					265					270			
Pro	Lys	Ile	Asn	Arg	Thr	Glu	Val	Tyr	Asn	Lys	Leu	Lys	Asn	Cys	Ser	
		275					280					285				
Pro	His	Met	Asn	Val	Tyr	Leu	Lys	Glu	Asp	Ile	Pro	Asn	Arg	Phe	Tyr	
	290					295					300					
Tyr	Gln	His	Asn	Asp	Arg	Ile	Gln	Pro	Ile	Ile	Leu	Val	Ala	Asp	Glu	
305					310					315					320	
Gly	Trp	Thr	Ile	Val	Leu	Asn	Glu	Ser	Ser	Gln	Lys	Leu	Gly	Asp	His	
				325					330					335		
Gly	Tyr	Asp	Asn	Ser	Leu	Pro	Ser	Met	His	Pro	Phe	Leu	Ala	Ala	His	
			340					345					350			
Gly	Pro	Ala	Phe	His	Lys	Gly	Tyr	Lys	His	Ser	Thr	Ile	Asn	Ile	Val	
		355					360					365				
Asp	Ile	Tyr	Pro	Met	Met	Cys	His	Ile	Leu	Gly	Leu	Lys	Pro	His	Pro	
	370					375					380					
Asn	Asn	Gly	Thr	Phe	Gly	His	Thr	Lys	Cys	Leu	Leu	Val	Asp	Gln	Trp	

385		390		395		400									
Cys	Ile	Asn	Leu	Pro	Glu	Ala	Ile	Ala	Ile	Val	Ile	Gly	Ser	Leu	Leu
				405					410					415	
Val	Leu	Thr	Met	Leu	Thr	Cys	Leu	Ile	Ile	Ile	Met	Gln	Asn	Arg	Leu
			420					425					430		
Ser	Val	Pro	Arg	Pro	Phe	Ser	Arg	Leu	Gln	Leu	Gln	Glu	Asp	Asp	Asp
		435					440					445			
Asp	Pro	Leu	Ile	Gly											
		450													

<210> 760
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 760
 Trp His Ile Leu Gln Met Lys Gly Leu Thr Trp
 1 5 10

<210> 761
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 761
 Phe Ala Ile Phe Ile Tyr Phe Ser Val Ser Tyr Ile Ala Asp Gly Asn
 1 5 10 15

Glu Phe Glu Val Pro Arg Ala Glu Asp Pro Cys Leu Leu Cys Phe
 20 25 30

<210> 762
 <211> 245
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 762
 Met Arg Ile Phe Ala Val Phe Ile Phe Met Thr Tyr Trp His Leu Leu
 1 5 10 15

Asn Ala Phe Thr Val Thr Val Pro Lys Asp Leu Tyr Val Val Glu Tyr
 20 25 30

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 764

Ser Val Ser Lys Lys Lys Lys Lys Lys Lys Val Phe Cys Ile Leu Tyr
1 5 10 15

Lys Leu Val Val Val Gly Ser Arg Gly Leu Ser Thr Asp Asp Leu Met
20 25 30

Arg Ser Val Ser Arg Phe Ala Xaa Ser Gln Thr Phe Val Leu Leu Asn
35 40 45

Ser Ser Ser Phe Phe Ser Phe Leu Glu Thr Glu Ser Ser Ser Val Thr
50 55 60

Arg Leu Glu Cys Ser Gly Thr Ile Lys Ala Tyr Cys Ser Leu Tyr Leu
65 70 75 80

Pro Gly Ser Arg Asn Pro Pro Thr Leu Ala Ser
85 90

<210> 765

<211> 53

<212> PRT

<213> Homo sapiens

<400> 765

Met Val Tyr Cys Val Val Ser Pro Arg Arg Ala Thr Leu Phe Cys Val
1 5 10 15

Leu Leu Leu Gly Thr Arg Cys Glu Ile Ile Ser Val Arg Ser Ser Phe
20 25 30

Gly Glu Tyr Asp Lys Ile Asn Ser Ile Leu Lys Gly Leu Leu Lys Ile
35 40 45

Pro Phe Asn Glu Phe
50

<210> 766

<211> 95

<212> PRT

<213> Homo sapiens

<400> 766

Pro Pro Arg Thr Arg Leu Phe Leu Val Ile Leu Phe Cys Cys Phe Arg
1 5 10 15

Arg Asn Asp Thr Ser Phe Cys Phe Phe Glu Glu Lys Val Phe His Val

	20		25		30										
Thr	Val	Ala	Arg	Thr	Asn	Thr	Lys	Arg	Ser	Arg	Leu	Gln	Met	Leu	Gln
		35					40					45			
Ala	Cys	Ala	Val	Val	Cys	Val	Cys	Val	Cys	Val	Cys	Val	Cys	Val	Cys
		50					55					60			
Thr	Tyr	Ile	Tyr	Gly	Lys	His	Ile	Tyr	Cys	Cys	Ala	Ala	Arg	Gly	Lys
		65					70					75			80
Pro	Ala	Lys	Lys	Cys	Val	Cys	Leu	Tyr	Glu	Met	Phe	Glu	Lys	Arg	
				85					90					95	

<210> 767
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 767															
Met	Val	Tyr	Cys	Val	Val	Ser	Pro	Arg	Arg	Ala	Thr	Leu	Phe	Cys	Val
					5				10					15	
Leu	Leu	Leu	Gly	Thr	Arg	Cys	Glu	Ile	Ile	Ser	Val	Arg	Ser	Ser	Phe
			20					25					30		
Gly	Glu	Tyr	Asp	Lys	Ile	Asn	Ser	Ile	Leu	Lys	Gly	Leu	Leu	Lys	Ile
			35				40					45			
Pro	Phe	Asn	Glu	Phe											
			50												

<210> 768
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 768															
Met	Pro	Ser	Gly	Cys	Arg	Cys	Leu	His	Leu	Val	Cys	Leu	Leu	Cys	Ile
				5					10					15	
Leu	Gly	Ala	Pro	Gly	Gln	Pro	Val	Arg	Ala	Asp	Asp	Cys	Ser	Pro	Thr
			20					25					30		
Val	Thr	Trp	Pro	Thr	Ala	Ala	Val	Asn							
			35				40								

<210> 769
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 769

Pro Gly Leu Cys Ser Gln Leu His Val Pro Leu Leu Gly Gly Leu Cys
1 5 10 15

Gly Cys Pro Leu
20

<210> 770

<211> 383

<212> PRT

<213> Homo sapiens

<400> 770

Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile
1 5 10 15

Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His
20 25 30

Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys
35 40 45

Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro
50 55 60

Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His
65 70 75 80

Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr
85 90 95

Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly
100 105 110

Gly Glu Tyr His Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys
115 120 125

Glu Arg Lys Ala Gly Pro Cys Glu Gln Ala Gly Ser Pro Cys Arg Asn
130 135 140

Gly Gly Gln Cys Gln Asp Asp Gln Gly Phe Ala Leu Asn Phe Thr Cys
145 150 155 160

Arg Cys Leu Val Gly Phe Val Gly Ala Arg Cys Glu Val Asn Val Asp
165 170 175

Asp Cys Leu Met Arg Pro Cys Ala Asn Gly Ala Thr Cys Leu Asp Gly
180 185 190

Ile Asn Arg Phe Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly Arg Phe
195 200 205

Cys Thr Ile Asn Leu Asp Asp Cys Ala Ser Arg Pro Cys Gln Arg Gly
210 215 220

Ala	Arg	Cys	Arg	Asp	Arg	Val	His	Asp	Phe	Asp	Cys	Leu	Cys	Pro	Ser
225					230					235					240
Gly	Tyr	Gly	Gly	Lys	Thr	Cys	Glu	Leu	Val	Leu	Pro	Val	Pro	Asp	Pro
				245					250					255	
Pro	Thr	Thr	Val	Asp	Thr	Pro	Leu	Gly	Pro	Thr	Ser	Ala	Val	Val	Val
			260					265					270		
Pro	Ala	Thr	Gly	Pro	Ala	Pro	His	Ser	Ala	Gly	Ala	Gly	Leu	Leu	Arg
		275					280					285			
Ile	Ser	Val	Lys	Glu	Val	Val	Arg	Arg	Gln	Glu	Ala	Gly	Leu	Gly	Glu
	290					295					300				
Pro	Ser	Leu	Val	Ala	Leu	Val	Val	Phe	Gly	Ala	Leu	Thr	Ala	Ala	Leu
305					310					315					320
Val	Leu	Ala	Thr	Val	Leu	Leu	Thr	Leu	Arg	Ala	Trp	Arg	Arg	Gly	Val
				325					330					335	
Cys	Pro	Pro	Gly	Pro	Cys	Cys	Tyr	Pro	Ala	Pro	His	Tyr	Ala	Pro	Ala
			340					345					350		
Cys	Gln	Asp	Gln	Glu	Cys	Gln	Val	Ser	Met	Leu	Pro	Ala	Gly	Leu	Pro
		355					360					365			
Leu	Pro	Arg	Asp	Leu	Pro	Pro	Glu	Pro	Gly	Lys	Thr	Thr	Ala	Leu	
	370					375					380				

<210> 771
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 771
 Pro Gln Thr Ala Gly Pro Gln Lys Cys Ala
 1 5 10

<210> 772
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 772
 Pro Phe Pro Ala Gly Pro His Ser Trp Ile
 1 5 10

<210> 773
 <211> 35

<212> PRT
<213> Homo sapiens

<400> 773

Met	Gly	Arg	Gly	Pro	Trp	Asp	Ala	Gly	Pro	Ser	Arg	Arg	Leu	Leu	Pro
1				5					10					15	
Leu	Leu	Leu	Leu	Leu	Gly	Leu	Ala	Arg	Gly	Ala	Ala	Glu	Arg	Arg	Ala
			20					25					30		
Pro	Thr	Val													
		35													

<210> 774
<211> 747
<212> PRT
<213> Homo sapiens

<400> 774

Met	Gly	Arg	Gly	Pro	Trp	Asp	Ala	Gly	Pro	Ser	Arg	Arg	Leu	Leu	Pro
1				5					10					15	
Leu	Leu	Leu	Leu	Leu	Gly	Leu	Ala	Arg	Gly	Ala	Ala	Gly	Ala	Pro	Gly
			20					25					30		
Pro	Asp	Gly	Leu	Asp	Val	Cys	Ala	Thr	Cys	His	Glu	His	Ala	Thr	Cys
		35					40					45			
Gln	Gln	Arg	Glu	Gly	Lys	Lys	Ile	Cys	Ile	Cys	Asn	Tyr	Gly	Phe	Val
	50					55					60				
Gly	Asn	Gly	Arg	Thr	Gln	Cys	Val	Asp	Lys	Asn	Glu	Cys	Gln	Phe	Gly
	65				70					75					80
Ala	Thr	Leu	Val	Cys	Gly	Asn	His	Thr	Ser	Cys	His	Asn	Thr	Pro	Gly
				85					90					95	
Gly	Phe	Tyr	Cys	Ile	Cys	Leu	Glu	Gly	Tyr	Arg	Ala	Thr	Asn	Asn	Asn
			100					105					110		
Lys	Thr	Phe	Ile	Pro	Asn	Asp	Gly	Thr	Phe	Cys	Thr	Asp	Ile	Asp	Glu
		115					120					125			
Cys	Glu	Val	Ser	Gly	Leu	Cys	Arg	His	Gly	Gly	Arg	Cys	Val	Asn	Thr
	130					135					140				
His	Gly	Ser	Phe	Glu	Cys	Tyr	Cys	Met	Asp	Gly	Tyr	Leu	Pro	Arg	Asn
145					150					155					160
Gly	Pro	Glu	Pro	Phe	His	Pro	Thr	Thr	Asp	Ala	Thr	Ser	Cys	Thr	Glu
				165					170					175	
Ile	Asp	Cys	Gly	Thr	Pro	Pro	Glu	Val	Pro	Asp	Gly	Tyr	Ile	Ile	Gly
			180					185					190		

Asn	Tyr	Thr	Ser	Ser	Leu	Gly	Ser	Gln	Val	Arg	Tyr	Ala	Cys	Arg	Glu	195	200	205	
Gly	Phe	Phe	Ser	Val	Pro	Glu	Asp	Thr	Val	Ser	Ser	Cys	Thr	Gly	Leu	210	215	220	
Gly	Thr	Trp	Glu	Ser	Pro	Lys	Leu	His	Cys	Gln	Glu	Ile	Asn	Cys	Gly	225	230	235	240
Asn	Pro	Pro	Glu	Met	Arg	His	Ala	Ile	Leu	Val	Gly	Asn	His	Ser	Ser	245	250	255	
Arg	Leu	Gly	Gly	Val	Ala	Arg	Tyr	Val	Cys	Gln	Glu	Gly	Phe	Glu	Ser	260	265	270	
Pro	Gly	Gly	Lys	Ile	Thr	Ser	Val	Cys	Thr	Glu	Lys	Gly	Thr	Trp	Arg	275	280	285	
Glu	Ser	Thr	Leu	Thr	Cys	Thr	Glu	Ile	Leu	Thr	Lys	Ile	Asn	Asp	Val	290	295	300	
Ser	Leu	Phe	Asn	Asp	Thr	Cys	Val	Arg	Trp	Gln	Ile	Asn	Ser	Arg	Arg	305	310	315	320
Ile	Asn	Pro	Lys	Ile	Ser	Tyr	Val	Ile	Ser	Ile	Lys	Gly	Gln	Arg	Leu	325	330	335	
Asp	Pro	Met	Glu	Ser	Val	Arg	Glu	Glu	Thr	Val	Asn	Leu	Thr	Thr	Asp	340	345	350	
Ser	Arg	Thr	Pro	Glu	Val	Cys	Leu	Ala	Leu	Tyr	Pro	Gly	Thr	Asn	Tyr	355	360	365	
Thr	Val	Asn	Ile	Ser	Thr	Ala	Pro	Pro	Arg	Arg	Ser	Met	Pro	Ala	Val	370	375	380	
Ile	Gly	Phe	Gln	Thr	Ala	Glu	Val	Asp	Leu	Leu	Glu	Asp	Asp	Gly	Ser	385	390	395	400
Phe	Asn	Ile	Ser	Ile	Phe	Asn	Glu	Thr	Cys	Leu	Lys	Leu	Asn	Arg	Arg	405	410	415	
Ser	Arg	Lys	Val	Gly	Ser	Glu	His	Met	Tyr	Gln	Phe	Thr	Val	Leu	Gly	420	425	430	
Gln	Arg	Trp	Tyr	Leu	Ala	Asn	Phe	Ser	His	Ala	Thr	Ser	Phe	Asn	Phe	435	440	445	
Thr	Thr	Arg	Glu	Gln	Val	Pro	Val	Val	Cys	Leu	Asp	Leu	Tyr	Pro	Thr	450	455	460	
Thr	Asp	Tyr	Thr	Val	Asn	Val	Thr	Leu	Leu	Arg	Ser	Pro	Lys	Arg	His	465	470	475	480
Ser	Val	Gln	Ile	Thr	Ile	Ala	Thr	Pro	Pro	Ala	Val	Lys	Gln	Thr	Ile	485	490	495	

Ser Asn Ile Ser Gly Phe Asn Glu Thr Cys Leu Arg Trp Arg Ser Ile
 500 505 510
 Lys Thr Ala Asp Met Glu Glu Met Tyr Leu Phe His Ile Trp Gly Gln
 515 520 525
 Arg Trp Tyr Gln Lys Glu Phe Ala Gln Glu Met Thr Phe Asn Ile Ser
 530 535 540
 Ser Ser Ser Arg Asp Pro Glu Val Cys Leu Asp Leu Arg Pro Gly Thr
 545 550 555 560
 Asn Tyr Asn Val Ser Leu Arg Ala Leu Ser Ser Glu Leu Pro Val Val
 565 570 575
 Ile Ser Leu Thr Thr Gln Ile Thr Glu Pro Pro Leu Pro Glu Val Glu
 580 585 590
 Phe Phe Thr Val His Arg Gly Pro Leu Pro Arg Leu Arg Leu Arg Lys
 595 600 605
 Ala Lys Glu Lys Asn Gly Pro Ile Ser Ser Tyr Gln Val Leu Val Leu
 610 615 620
 Pro Leu Ala Leu Gln Ser Thr Phe Ser Cys Asp Ser Glu Gly Ala Ser
 625 630 635 640
 Ser Phe Phe Ser Asn Ala Ser Asp Ala Asp Gly Tyr Val Ala Ala Glu
 645 650 655
 Leu Leu Ala Lys Asp Val Pro Asp Asp Ala Met Glu Ile Pro Ile Gly
 660 665 670
 Asp Arg Leu Tyr Tyr Gly Glu Tyr Tyr Asn Ala Pro Leu Lys Arg Gly
 675 680 685
 Ser Asp Tyr Cys Ile Ile Leu Arg Ile Thr Ser Glu Trp Asn Lys Val
 690 695 700
 Arg Arg His Ser Cys Ala Val Trp Ala Gln Val Lys Asp Ser Ser Leu
 705 710 715 720
 Met Leu Leu Gln Met Ala Gly Val Gly Leu Gly Ser Leu Ala Val Val
 725 730 735
 Ile Ile Leu Thr Phe Leu Ser Phe Ser Ala Val
 740 745

<210> 775

<211> 45

<212> PRT

<213> Homo sapiens

<400> 775

Thr Trp Trp Pro Pro Cys Pro Pro Ala Pro Met Gly Gln Val Gly Ser

1		5		10		15									
Cys	Phe	Ala	Gly	Leu	Cys	Gly	Gln	His	Thr	Arg	Gly	Leu	His	Gly	Trp
		20					25						30		
Pro	Gln	Pro	Ser	Pro	Ala	Ala	Pro	Gln	Met	Arg	Ser	Cys			
		35					40					45			

<210> 776
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 776
Gly Trp Cys Ser Arg Arg Asp Ser Cys Trp Pro Ser Pro Pro Thr Met
1 5 10 15

Pro

<210> 777
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 777
Met Gly Thr Val Ser Ser Arg Arg Ser Trp Trp Pro Leu Pro Leu Leu
1 5 10 15
Leu Leu Leu Leu Leu Leu Leu Gly Pro Ala Gly Ala Arg Ala Gln Glu
20 25 30
Asp Glu Asp Gly Asp Tyr Glu Glu Leu Val Leu Ala Leu Arg Ser Glu
35 40 45
Glu Asp Gly Leu Ala Glu Ala Pro Glu His Gly Thr Thr Ala Thr Phe
50 55 60
His Arg Cys Ala Lys Asp Pro Trp Arg Leu Pro Gly Thr Tyr Val Val
65 70 75 80
Val Leu Lys Glu Glu Thr His Leu Ser Gln Ser Glu Arg Thr Ala Arg
85 90 95
Arg Leu Gln Ala Gln Ala Xaa Arg Arg Gly Tyr Leu Pro Arg Ser Cys
100 105 110

Met Ser Ser Met Ala Phe Phe Leu

<210> 778
 <211> 269
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (236)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (257)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 778
 Met Gly Thr Val Ser Ser Arg Arg Ser Trp Trp Pro Leu Pro Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Leu Leu Gly Pro Ala Gly Ala Arg Ala Gln Glu
 20 25 30
 Asp Glu Asp Gly Asp Tyr Glu Glu Leu Val Leu Ala Leu Arg Ser Glu
 35 40 45
 Glu Asp Gly Leu Ala Glu Ala Pro Glu His Gly Thr Thr Ala Thr Phe
 50 55 60
 His Arg Cys Ala Lys Asp Pro Trp Arg Leu Pro Gly Thr Tyr Val Val
 65 70 75 80
 Val Leu Lys Glu Glu Thr His Leu Ser Gln Ser Glu Arg Thr Ala Arg
 85 90 95
 Arg Leu Gln Ala Gln Ala Ala Arg Arg Gly Tyr Leu Thr Lys Ile Leu
 100 105 110
 His Val Phe His Gly Leu Leu Pro Gly Phe Leu Val Lys Met Ser Gly
 115 120 125
 Asp Leu Leu Glu Leu Ala Leu Lys Leu Pro His Val Asp Tyr Ile Glu
 130 135 140
 Glu Asp Ser Ser Val Phe Ala Gln Ser Ile Pro Trp Asn Leu Glu Arg
 145 150 155 160
 Ile Thr Pro Pro Arg Tyr Arg Ala Asp Glu Tyr Gln Pro Pro Asp Gly
 165 170 175
 Gly Ser Leu Val Glu Val Tyr Leu Leu Asp Thr Ser Ile Gln Ser Asp
 180 185 190
 His Arg Glu Ile Glu Gly Arg Val Met Val Thr Asp Phe Glu Asn Val

195		200		205
Pro Glu Glu Asp Gly Thr Arg Phe His Arg Gln Ala Ser Lys Cys Asp				
210		215		220
Ser His Gly Pro Thr Trp Gln Gly Trp Ser Ala Xaa Gly Met Pro Ala				
225		230		240
Trp Pro Arg Val Pro Ala Cys Ala Ala Cys Ala Cys Phe Pro Lys Lys				
	245		250	255
Xaa Pro Leu Leu Gly Gly Pro Pro Gln Lys Lys Gly Gly				
	260		265	

<210> 779
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 779
Met Val Arg Tyr Thr Tyr Ser Met Leu Ser Val Ile Gly Ile Ser Tyr
1 5 10 15
Ala Val Leu Thr Trp Leu Ser Gln Thr Leu Trp Met Pro Ile Tyr Pro
20 25 30
Leu Cys Val Leu Ala Glu Ala Phe Ala Ile Tyr Gln Ser Leu Pro Tyr
35 40 45
Phe Glu Ser Phe Gly Thr Tyr Ser Thr Lys Leu Pro Phe Asp Leu Ser
50 55 60
Ile Tyr Phe Pro Tyr Val Leu Lys Ile Tyr Leu Met Met Leu Phe Ile
65 70 75 80
Gly Met Tyr Phe Thr Tyr Ser His Leu Tyr Ser Xaa Arg Arg Asp Ile
85 90 95
Leu Gly Ile Phe Pro Ile Lys Lys Lys Lys Met
100 105

<210> 780
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 780
 Met Val Arg Tyr Thr Tyr Ser Met Leu Ser Val Ile Gly Ile Ser Tyr

1	5	10	15
Ala Val Leu Thr Trp	Ala Gln Ser Asn Thr Met Asp	Ala Asn Leu Ser	
20	25	30	
Phe Val Cys Ser Cys			
35			

<210> 781
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 781
Met Val Arg Tyr Thr Tyr Ser Met Leu Ser Val Ile Gly Ile Ser Tyr
1 5 10 15
Ala Val Leu Thr Trp Leu Ser Gln Thr Leu Trp Met Pro Ile Tyr Pro
20 25 30
Leu Cys Val Leu Ala Glu Ala Phe Ala Ile Tyr Gln Ser Leu Pro Tyr
35 40 45
Phe Glu Ser Phe Gly Thr Tyr Ser Thr Lys Leu Pro Phe Asp Leu Ser
50 55 60
Ile Tyr Phe Pro Tyr Val Leu Lys Ile Tyr Leu Met Met Leu Phe Ile
65 70 75 80
Gly Met Tyr Phe Thr Tyr Ser His Leu Tyr Ser Glu Arg Arg Asp Ile
85 90 95
Leu Gly Ile Phe Pro Ile Lys Lys Lys Lys Met
100 105

<210> 782
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 782
Ser Asn Pro Ser His Ile Leu Met Ile Ser Ile Leu Leu Ser His Ala
1 5 10 15
Ser Arg Gly Ala Gly Ala Asp Pro Lys Arg Ser Cys Cys Pro Gln Arg
20 25 30
Val Gly Ser Arg Gly Arg Ala Xaa Val Arg Leu Thr Arg Leu Cys Ser

35

40

45

Gln Pro Ser Pro His
50

<210> 783

<211> 33

<212> PRT

<213> Homo sapiens

<400> 783

His His Val Ala Gln Ala Leu Pro Pro Ala Gly Ala Pro Arg Gly Arg
1 5 10 15

Pro His Gln Pro His Pro Ala Pro Val Gly Gln Gly Ser Pro Glu Arg
20 25 30

Gly

<210> 784

<211> 74

<212> PRT

<213> Homo sapiens

<400> 784

Met Gly Phe His His Val Ser Gln Ala Ala Leu Val Leu Leu Leu Leu
1 5 10 15

Leu Leu Leu Leu Leu Leu Phe Asp Thr Glu Ser Arg Ser Ser Leu Ala
20 25 30

Thr Glu Arg Asp Ser Ile Ser Lys Lys Lys Asn Lys Lys Thr Lys Lys
35 40 45

Lys Asn Arg Lys Glu Thr Lys Asn Val Val Leu Ile Leu Ile Asn Ser
50 55 60

Asn Ser Phe Met Trp Leu Ala Ala Ala Leu
65 70

<210> 785

<211> 74

<212> PRT

<213> Homo sapiens

<400> 785

Met Gly Phe His His Val Ser Gln Ala Ala Leu Val Leu Leu Leu Leu
1 5 10 15

Leu Leu Leu Leu Leu Leu Phe Asp Thr Glu Ser Arg Ser Ser Leu Ala

	20		25		30
Thr	Glu	Arg	Asp	Ser	Ile
	35		40		45
Lys	Asn	Arg	Lys	Glu	Thr
	50		55		60
Asn	Ser	Phe	Met	Trp	Leu
	65		70		

<210> 786
 <211> 178
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (157)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (170)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (171)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (177)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 786															
Met	Ala	Ala	Pro	Arg	Gly	Arg	Ala	Ala	Pro	Trp	Thr	Thr	Ala	Leu	Leu
1				5					10					15	
Leu	Leu	Leu	Ala	Ser	Gln	Val	Leu	Ser	Pro	Gly	Ser	Cys	Ala	Asp	Glu
			20					25					30		
Glu	Glu	Val	Pro	Glu	Glu	Trp	Val	Leu	Leu	His	Val	Val	Gln	Gly	Gln
		35				40						45			
Ile	Gly	Ala	Gly	Asn	Tyr	Ser	Tyr	Leu	Arg	Leu	Asn	His	Glu	Gly	Lys
	50					55					60				
Ile	Val	Leu	Arg	Met	Arg	Ser	Leu	Lys	Gly	Asp	Ala	Asp	Leu	Tyr	Val
65					70				75					80	
Ser	Ala	Ser	Ser	Leu	His	Pro	Ser	Phe	Asp	Asp	Tyr	Glu	Leu	Gln	Ser
				85					90					95	

Ala	Thr	Cys	Gly	Pro	Asp	Ala	Val	Ser	Ile	Pro	Ala	His	Phe	Arg	Arg
			100					105					110		
Pro	Val	Gly	Ile	Gly	Val	Tyr	Gly	His	Pro	Ser	His	Leu	Glu	Ser	Glu
		115					120					125			
Phe	Glu	Met	Lys	Val	Tyr	Tyr	Asp	Gly	Thr	Val	Glu	Gln	His	Pro	Phe
		130				135					140				
Gly	Glu	Ala	Ala	Tyr	Pro	Ala	Asp	Gly	Gln	Met	Pro	Xaa	Arg	Ser	Thr
145					150					155					160
Leu	Val	Pro	Arg	Lys	Thr	Pro	Arg	Lys	Xaa	Xaa	Asn	Leu	Phe	Ser	Gly
				165					170					175	
Xaa Tyr															

<210> 787
 <211> 191
 <212> PRT
 <213> Homo sapiens

<400> 787

Met	Ala	Ala	Pro	Arg	Gly	Arg	Ala	Ala	Pro	Trp	Thr	Thr	Ala	Leu	Leu
1				5					10					15	
Leu	Leu	Leu	Ala	Ser	Gln	Val	Leu	Ser	Pro	Gly	Ser	Cys	Ala	Asp	Glu
			20					25					30		
Glu	Glu	Val	Pro	Glu	Glu	Trp	Val	Leu	Leu	His	Val	Val	Gln	Gly	Gln
		35					40					45			
Ile	Gly	Ala	Gly	Asn	Tyr	Ser	Tyr	Leu	Arg	Leu	Asn	His	Glu	Gly	Lys
	50					55					60				
Ile	Val	Leu	Arg	Met	Arg	Ser	Leu	Lys	Gly	Asp	Ala	Asp	Leu	Tyr	Val
65					70					75					80
Ser	Ala	Ser	Ser	Leu	His	Pro	Ser	Phe	Asp	Asp	Tyr	Glu	Leu	Gln	Ser
				85					90					95	
Ala	Thr	Cys	Gly	Pro	Asp	Ala	Val	Ser	Ile	Pro	Ala	His	Phe	Arg	Arg
			100					105					110		
Pro	Val	Gly	Ile	Gly	Val	Tyr	Gly	His	Pro	Ser	His	Leu	Glu	Ser	Glu
		115					120					125			
Phe	Glu	Met	Lys	Val	Tyr	Tyr	Asp	Gly	Thr	Val	Glu	Gln	His	Pro	Phe
		130				135					140				
Gly	Glu	Ala	Ala	Tyr	Pro	Ala	Asp	Gly	Ala	Asp	Ala	Gly	Gln	Lys	His
145					150					155					160
Ala	Gly	Ala	Pro	Glu	Asp	Ala	Ser	Gln	Glu	Glu	Glu	Ser	Val	Leu	Trp

	165	170	175
Thr Ile Leu Ile Ser Ile Leu Lys Leu Glu Leu Glu Ile Leu Phe			
	180	185	190

<210> 788
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 788
 Thr Ala Ile Phe Phe Leu Leu Val
 1 5

<210> 789
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 789
 Met Arg Phe Trp Phe Leu Val Phe Xaa Phe Phe Phe Phe Pro Glu Ala
 1 5 10 15

His Val Tyr Pro Thr Ser Trp Xaa Val Ser Glu Gln Gly Xaa Ala Thr
 20 25 30

Ile Ser Val Thr Pro Gly Ile Leu Asn Trp Ile Phe Val Glu Glu Glu
 35 40 45

Asn Asn Thr Val Leu Asp Phe Pro
 50 55

<210> 790
 <211> 279
 <212> PRT
 <213> Homo sapiens

<400> 790

Glu Glu Arg Trp Lys Ser Pro Glu Val Arg Trp Ala Pro Gly Val Ala
1 5 10 15

Met Glu Glu Ser Gly Tyr Glu Ser Val Leu Cys Val Lys Pro Asp Val
20 25 30

His Val Tyr Arg Ile Pro Pro Arg Ala Thr Asn Arg Gly Tyr Arg Ala
35 40 45

Ala Glu Trp Gln Leu Asp Gln Pro Ser Trp Ser Gly Arg Leu Arg Ile
50 55 60

Thr Ala Lys Gly Gln Met Ala Tyr Ile Lys Leu Glu Asp Arg Thr Ser
65 70 75 80

Gly Glu Leu Phe Ala Gln Ala Pro Val Asp Gln Phe Pro Gly Thr Ala
85 90 95

Val Glu Ser Val Thr Asp Ser Ser Arg Tyr Phe Val Ile Arg Ile Glu
100 105 110

Asp Gly Asn Gly Arg Arg Ala Phe Ile Gly Ile Gly Phe Gly Asp Arg
115 120 125

Gly Asp Ala Phe Asp Phe Asn Val Ala Leu Gln Asp His Phe Lys Trp
130 135 140

Val Lys Gln Gln Cys Glu Phe Ala Lys Gln Ala Gln Asn Pro Asp Gln
145 150 155 160

Gly Pro Lys Leu Asp Leu Gly Phe Lys Glu Gly Gln Thr Ile Lys Leu
165 170 175

Asn Ile Ala Asn Met Lys Lys Lys Glu Gly Ala Ala Gly Asn Pro Arg
180 185 190

Val Arg Pro Ala Ser Thr Gly Gly Leu Ser Leu Leu Pro Pro Pro Pro
195 200 205

Gly Gly Lys Thr Ser Thr Leu Ile Pro Pro Pro Gly Glu Gln Leu Ala
210 215 220

Val Gly Gly Ser Leu Val Gln Pro Ala Val Ala Pro Ser Ser Gly Gly
225 230 235 240

Ala Pro Val Pro Trp Pro Gln Pro Asn Pro Ala Thr Ala Asp Ile Trp
245 250 255

Gly Asp Phe Thr Lys Ser Thr Gly Ser Thr Ser Ser Gln Thr Gln Pro
260 265 270

Gly Thr Gly Trp Val Gln Phe
275

<210> 791
<211> 106
<212> PRT
<213> Homo sapiens

<400> 791
Arg Ser Arg Ser Lys Pro Arg Cys Asn Cys Glu Ile Val Thr Ile Phe
1 5 10 15
Phe Ala Arg Phe Lys Ile Gly Pro Gly Arg His Arg Lys Arg Lys Ile
20 25 30
Pro Lys Leu Cys Ser Ser Gly Ser Thr Ile Gly Arg Val Tyr Ser Leu
35 40 45
Pro Gly Leu Leu Arg Arg Gly Ser Cys Leu Phe Gly Tyr Ile Thr Pro
50 55 60
Asp Trp Phe Val Leu Lys Ile Asn Val Ile Met Leu Val Ser Tyr Leu
65 70 75 80
Met Val Ser Leu Glu His Ser Pro Leu Ile Leu Phe Glu Arg Val Gly
85 90 95
Gly Arg Asp Cys Glu Gly Arg Glu Lys Cys
100 105

<210> 792
<211> 56
<212> PRT
<213> Homo sapiens

<400> 792
Met Arg Phe Trp Phe Leu Val Phe Cys Phe Phe Phe Phe Pro Glu Ala
1 5 10 15
His Val Tyr Pro Thr Ser Trp Ser Val Ser Glu Gln Gly Cys Ala Thr
20 25 30
Ile Ser Val Thr Pro Gly Ile Leu Asn Trp Ile Phe Val Glu Glu Glu
35 40 45
Asn Asn Thr Val Leu Asp Phe Pro
50 55

<210> 793
<211> 41
<212> PRT
<213> Homo sapiens

<400> 793
Met Thr Phe Ser Pro Leu Met Cys Tyr Cys Cys Cys Trp Val Gly Trp

1	5	10	15
Ala Phe Cys Leu Phe Val Trp Trp Gln Ser Val Val Val Gly Ser Gly	20	25	30
Arg Ala Tyr Ile Gly Phe Ser Ser Tyr	35	40	

<210> 794
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 794
Met Thr Phe Ser Pro Leu Met Cys Tyr Cys Cys Cys Trp Val Gly Trp
1 5 10 15
Ala Phe Cys Leu Phe Val Trp Trp Gln Ser Val Val Val Gly Ser Gly
20 25 30
Arg Ala Tyr Ile Gly Phe Ser Ser Tyr
35 40

<210> 795
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 795
Met Thr Phe Ser Pro Leu Met Cys Tyr Cys Cys Cys Trp Val Gly Trp
1 5 10 15
Ala Phe Cys Leu Phe Val Trp Trp Gln Ser Val Val Val Gly Ser Gly
20 25 30
Arg Ala Tyr Ile Gly Phe Ser Ser Tyr
35 40

<210> 796
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 796
Phe Leu Arg Phe Asp Gly Ile Ile Met Glu Ala Leu Tyr Lys Leu Asn
1 5 10 15
Glu Ile Gly Lys Gly Glu Leu Thr Leu Ser Ile Met His Ser Gly Leu
20 25 30
Lys Ile Arg Phe Gln Asn Glu Met Ser Asp Leu

35

40

<210> 797
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 797
 Ile Gly Val Asn Tyr Leu Leu Leu Phe Phe Ile Phe
 1 5 10

<210> 798
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 798
 Lys Leu Gly Phe Ser Thr Ile Leu Leu Leu Ser Ile Phe Ile Met Ser
 1 5 10 15

Glu Ala Asn

<210> 799
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 799
 Lys Leu Gly Phe Ser Thr Ile Leu Leu Leu Ser Ile Phe Ile Met Ser
 1 5 10 15

Glu Ala Asn

<210> 800
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 800
 Leu Cys Val Cys Thr Gly Cys Pro Gly Gly Gly Pro Gln Ile Pro Phe
 1 5 10 15

Arg Trp Gln Thr Glu Arg Gly
 20

<210> 801
<211> 29
<212> PRT
<213> Homo sapiens

<400> 801
Val Cys Val Cys Val Cys Leu Ile Ala Arg Val Tyr Phe Cys Ile Tyr
1 5 10 15
Val Cys Val Trp Leu His Gly Cys Ala Ser Val Cys Leu
20 25

<210> 802
<211> 6
<212> PRT
<213> Homo sapiens

<400> 802
Val Leu Pro Ser Ala Ser
1 5

<210> 803
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 803
Met Arg Ala Ser Gly Val Tyr Val Ser Xaa Cys Ser Phe Val Phe Met
1 5 10 15
Cys Val Cys Val Cys Met Leu Asn Ser Arg Xaa Thr Phe Asp Tyr Gly
20 25 30

Val Cys Gly
35

<210> 804
<211> 56
<212> PRT
<213> Homo sapiens

<400> 804

Met Arg Ala Ser Gly Val Tyr Val Ser Glu Cys Ser Phe Val Phe Met
1 5 10 15

Cys Val Cys Val Cys Met Ser Asp Cys Thr Gly Val Leu Leu Tyr Leu
20 25 30

Cys Val Cys Val Val Ala Arg Val Cys Leu Cys Val Ser Leu Thr Leu
35 40 45

Ala Gly Cys Val Cys Lys Ser Val
50 55

<210> 805

<211> 60

<212> PRT

<213> Homo sapiens

<400> 805

Met Ile Arg Ile Gln Phe Leu His Leu Phe Leu Trp Val Gly Phe Ile
1 5 10 15

Phe Arg Gln Pro Pro Ser Ser Tyr Pro Gln Asp Gly Arg Asp Ser Pro
20 25 30

Trp Ser Phe Pro Cys Arg Asp Arg Ser Pro Gly Asn Asn Thr Ser Ile
35 40 45

Pro Ser His Glu Thr Val Leu Asn Phe Ile Leu Thr
50 55 60

<210> 806

<211> 60

<212> PRT

<213> Homo sapiens

<400> 806

Met Ile Arg Ile Gln Phe Leu His Leu Phe Leu Trp Val Gly Phe Ile
1 5 10 15

Phe Arg Gln Pro Pro Ser Ser Tyr Pro Gln Asp Gly Arg Asp Ser Pro
20 25 30

Trp Ser Phe Pro Cys Arg Asp Arg Ser Pro Gly Asn Asn Thr Ser Ile
35 40 45

Pro Ser His Glu Thr Val Leu Asn Phe Ile Leu Thr
50 55 60

<210> 807

<211> 444

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 807
Met Leu Gln Arg Ile Gly Leu Ile Phe Leu His Asn Ile Val Val Val
1 5 10 15
Ser Asn Cys Phe Tyr Phe Gln Ala Phe Leu Asp Glu Phe Thr Asn Trp
20 25 30
Ser Arg Ile Asn Pro Asn Lys Ala Arg Ile Pro Met Ala Gly Asp Thr
35 40 45
Gln Gly Val Val Gly Thr Val Ser Lys Pro Cys Phe Thr Ala Tyr Glu
50 55 60
Met Lys Ile Gly Ala Ile Thr Phe Gln Val Ala Thr Gly Asp Ile Ala
65 70 75 80
Thr Glu Gln Val Asp Val Ile Val Asn Ser Thr Xaa Arg Thr Xaa Asn
85 90 95
Xaa Xaa Ser Gly Xaa Ser Arg Ala Ile Leu Glu Gly Ala Gly Gln Ala
100 105 110
Val Glu Ser Glu Cys Ala Val Leu Ala Ala Gln Pro His Arg Asp Phe
115 120 125
Ile Ile Thr Pro Gly Gly Cys Leu Lys Cys Lys Ile Ile Ile His Val
130 135 140
Pro Gly Gly Lys Asp Val Arg Lys Thr Val Thr Ser Val Leu Glu Glu

145					150					155					160
Cys	Glu	Gln	Arg	Lys	Tyr	Thr	Ser	Val	Ser	Leu	Pro	Ala	Ile	Gly	Thr
				165					170					175	
Gly	Asn	Ala	Gly	Lys	Asn	Pro	Ile	Thr	Val	Ala	Asp	Asn	Ile	Ile	Asp
			180					185					190		
Ala	Ile	Val	Asp	Phe	Ser	Ser	Gln	His	Ser	Thr	Pro	Ser	Leu	Lys	Thr
		195					200					205			
Val	Lys	Val	Val	Ile	Phe	Gln	Pro	Glu	Leu	Leu	Asn	Ile	Phe	Tyr	Asp
	210					215					220				
Ser	Met	Lys	Lys	Arg	Asp	Leu	Ser	Ala	Ser	Leu	Asn	Phe	Gln	Ser	Thr
225					230					235					240
Phe	Ser	Met	Thr	Thr	Cys	Asn	Leu	Pro	Glu	His	Trp	Thr	Asp	Met	Asn
				245					250					255	
His	Gln	Leu	Phe	Cys	Met	Val	Gln	Leu	Glu	Pro	Gly	Gln	Ser	Glu	Tyr
			260					265					270		
Asn	Thr	Ile	Lys	Asp	Lys	Phe	Thr	Arg	Thr	Cys	Ser	Ser	Tyr	Ala	Ile
		275					280					285			
Glu	Lys	Ile	Glu	Arg	Ile	Gln	Asn	Ala	Phe	Leu	Trp	Gln	Ser	Tyr	Gln
	290					295					300				
Val	Lys	Lys	Arg	Gln	Met	Asp	Ile	Lys	Asn	Asp	His	Lys	Asn	Asn	Glu
305					310					315					320
Arg	Leu	Leu	Phe	His	Gly	Thr	Asp	Ala	Asp	Ser	Val	Pro	Tyr	Val	Asn
				325					330					335	
Gln	His	Gly	Phe	Asn	Arg	Ser	Cys	Ala	Gly	Lys	Asn	Ala	Val	Ser	Tyr
			340					345					350		
Gly	Lys	Gly	Thr	Tyr	Phe	Ala	Val	Asp	Ala	Ser	Tyr	Ser	Ala	Lys	Asp
		355					360					365			
Thr	Tyr	Ser	Lys	Pro	Asp	Ser	Asn	Gly	Arg	Lys	His	Met	Tyr	Val	Val
	370					375					380				
Arg	Val	Leu	Thr	Gly	Val	Phe	Thr	Lys	Gly	Arg	Ala	Gly	Leu	Val	Thr
385					390					395					400
Pro	Pro	Pro	Lys	Asn	Pro	His	Asn	Pro	Thr	Asp	Leu	Phe	Asp	Ser	Val
				405					410					415	
Thr	Asn	Asn	Thr	Arg	Ser	Pro	Lys	Leu	Phe	Val	Val	Phe	Phe	Asp	Asn
			420					425					430		
Gln	Ala	Tyr	Pro	Glu	Tyr	Leu	Ile	Thr	Phe	Thr	Ala				
	435						440								

<210> 808
<211> 505
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (358)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (494)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (504)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (505)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 808
Met Phe Arg Thr Ala Val Met Met Ala Ala Ser Leu Ala Leu Thr Gly
1 5 10 15
Ala Val Val Ala His Ala Tyr Tyr Leu Lys His Gln Phe Tyr Pro Thr
20 25 30
Val Val Tyr Leu Thr Lys Ser Ser Pro Ser Met Ala Val Leu Tyr Ile
35 40 45
Gln Ala Phe Val Leu Val Phe Leu Leu Gly Lys Val Met Gly Lys Val
50 55 60
Phe Phe Gly Gln Leu Arg Ala Ala Glu Met Glu His Leu Leu Glu Arg
65 70 75 80
Ser Trp Tyr Ala Val Thr Glu Thr Cys Leu Ala Phe Thr Val Phe Arg
85 90 95
Asp Asp Phe Ser Pro Arg Phe Val Ala Leu Phe Thr Leu Leu Leu Phe
100 105 110
Leu Lys Cys Phe His Trp Leu Ala Glu Asp Arg Val Asp Phe Met Glu
115 120 125
Arg Ser Pro Asn Ile Ser Trp Leu Phe His Cys Arg Ile Val Ser Leu
130 135 140
Met Phe Leu Leu Gly Ile Leu Asp Phe Leu Phe Val Ser His Ala Tyr
145 150 155 160

His	Ser	Ile	Leu	Thr	Arg	Gly	Ala	Ser	Val	Gln	Leu	Val	Phe	Gly	Phe	165	170	175
Glu	Tyr	Ala	Ile	Leu	Met	Thr	Met	Val	Leu	Thr	Ile	Phe	Ile	Lys	Tyr	180	185	190
Val	Leu	His	Ser	Val	Asp	Leu	Gln	Ser	Glu	Asn	Pro	Trp	Asp	Asn	Lys	195	200	205
Ala	Val	Tyr	Met	Leu	Tyr	Thr	Glu	Leu	Phe	Thr	Gly	Phe	Ile	Lys	Val	210	215	220
Leu	Leu	Tyr	Met	Ala	Phe	Met	Thr	Ile	Met	Ile	Lys	Val	His	Thr	Phe	225	230	235
Pro	Leu	Phe	Ala	Ile	Arg	Pro	Met	Tyr	Leu	Ala	Met	Arg	Gln	Phe	Lys	245	250	255
Lys	Ala	Val	Thr	Asp	Ala	Ile	Met	Ser	Arg	Arg	Ala	Ile	Arg	Asn	Met	260	265	270
Asn	Thr	Leu	Tyr	Pro	Asp	Ala	Thr	Pro	Glu	Glu	Leu	Gln	Ala	Met	Asp	275	280	285
Asn	Val	Cys	Ile	Ile	Cys	Arg	Glu	Glu	Met	Val	Thr	Gly	Ala	Lys	Arg	290	295	300
Leu	Pro	Cys	Asn	His	Ile	Phe	His	Thr	Ser	Cys	Leu	Arg	Ser	Trp	Phe	305	310	315
Gln	Arg	Gln	Gln	Thr	Cys	Pro	Thr	Cys	Arg	Met	Asp	Val	Leu	Arg	Ala	325	330	335
Ser	Leu	Pro	Ala	Gln	Ser	Pro	Pro	Pro	Pro	Glu	Pro	Ala	Asp	Gln	Gly	340	345	350
Pro	Pro	Pro	Ala	Pro	Xaa	Pro	Pro	Pro	Leu	Leu	Pro	Gln	Pro	Pro	Asn	355	360	365
Phe	Pro	Gln	Gly	Leu	Leu	Pro	Pro	Phe	Pro	Pro	Gly	Met	Phe	Pro	Leu	370	375	380
Trp	Pro	Pro	Met	Gly	Pro	Phe	Pro	Pro	Val	Pro	Pro	Pro	Pro	Ser	Ser	385	390	395
Gly	Glu	Ala	Val	Ala	Pro	Pro	Ser	Thr	Ser	Ala	Ala	Ala	Leu	Ser	Arg	405	410	415
Pro	Ser	Gly	Ala	Ala	Thr	Thr	Thr	Ala	Ala	Gly	Thr	Ser	Ala	Thr	Ala	420	425	430
Ala	Ser	Ala	Thr	Ala	Ser	Gly	Pro	Gly	Ser	Gly	Ser	Ala	Pro	Glu	Ala	435	440	445
Gly	Pro	Ala	Pro	Gly	Phe	Pro	Phe	Pro	Pro	Pro	Trp	Met	Gly	Met	Pro	450	455	460

Leu Pro Pro Pro Phe Ala Phe Pro Pro Met Pro Val Pro Pro Ala Gly
 465 470 475 480
 Phe Ala Gly Leu Thr Pro Glu Glu Tyr Glu Leu Trp Arg Xaa Met Ser
 485 490 495
 Gly Arg Thr Gly Gly Pro Val Xaa Xaa
 500 505

<210> 809
 <211> 191
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 809
 Met Phe Arg Thr Ala Val Met Met Ala Ala Ser Ile Trp Pro Arg Leu
 1 5 10 15
 Trp Xaa Cys Pro Xaa Gly Trp Pro Cys Pro Trp Phe Pro Leu Pro Ser
 20 25 30
 Ser Leu Asp Gly Tyr Ala Pro Ala Ser Thr Leu Cys Leu Pro Pro Asn
 35 40 45
 Ala Cys Ala Pro Cys Gly Phe Ala Gly Leu Thr Pro Glu Glu Leu Arg
 50 55 60
 Ala Leu Glu Gly His Glu Arg Gln His Leu Glu Ala Arg Leu Gln Ser
 65 70 75 80
 Leu Arg Asn Ile His Thr Leu Leu Asp Ala Ala Met Leu Gln Ile Asn
 85 90 95
 Gln Tyr Leu Thr Val Leu Ala Ser Leu Gly Pro Pro Arg Pro Ala Thr
 100 105 110
 Ser Val Asn Ser Thr Glu Glu Thr Ala Thr Thr Val Val Ala Ala Ala
 115 120 125
 Ser Ser Thr Ser Ile Pro Ser Ser Glu Ala Thr Thr Pro Thr Pro Gly
 130 135 140
 Ala Ser Pro Pro Ala Pro Glu Met Glu Arg Pro Pro Ala Pro Glu Ser
 145 150 155 160

Val Gly Thr Glu Glu Met Pro Glu Asp Gly Glu Pro Asp Ala Ala Glu
165 170 175

Leu Arg Arg Arg Arg Leu Gln Lys Leu Glu Ser Pro Val Ala His
180 185 190

<210> 810

<211> 617

<212> PRT

<213> Homo sapiens

<400> 810

Met Phe Arg Thr Ala Val Met Met Ala Ala Ser Leu Ala Leu Thr Gly
1 5 10 15

Ala Val Val Ala His Ala Tyr Tyr Leu Lys His Gln Phe Tyr Pro Thr
20 25 30

Val Val Tyr Leu Thr Lys Ser Ser Pro Ser Met Ala Val Leu Tyr Ile
35 40 45

Gln Ala Phe Val Leu Val Phe Leu Leu Gly Lys Val Met Gly Lys Val
50 55 60

Phe Phe Gly Gln Leu Arg Ala Ala Glu Met Glu His Leu Leu Glu Arg
65 70 75 80

Ser Trp Tyr Ala Val Thr Glu Thr Cys Leu Ala Phe Thr Val Phe Arg
85 90 95

Asp Asp Phe Ser Pro Arg Phe Val Ala Leu Phe Thr Leu Leu Leu Phe
100 105 110

Leu Lys Cys Phe His Trp Leu Ala Glu Asp Arg Val Asp Phe Met Glu
115 120 125

Arg Ser Pro Asn Ile Ser Trp Leu Phe His Cys Arg Ile Val Ser Leu
130 135 140

Met Phe Leu Leu Gly Ile Leu Asp Phe Leu Phe Val Ser His Ala Tyr
145 150 155 160

His Ser Ile Leu Thr Arg Gly Ala Ser Val Gln Leu Val Phe Gly Phe
165 170 175

Glu Tyr Ala Ile Leu Met Thr Met Val Leu Thr Ile Phe Ile Lys Tyr
180 185 190

Val Leu His Ser Val Asp Leu Gln Ser Glu Asn Pro Trp Asp Asn Lys
195 200 205

Ala Val Tyr Met Leu Tyr Thr Glu Leu Phe Thr Gly Phe Ile Lys Val
210 215 220

Leu Leu Tyr Met Ala Phe Met Thr Ile Met Ile Lys Val His Thr Phe

225					230					235				240	
Pro	Leu	Phe	Ala	Ile	Arg	Pro	Met	Tyr	Leu	Ala	Met	Arg	Gln	Phe	Lys
				245					250					255	
Lys	Ala	Val	Thr	Asp	Ala	Ile	Met	Ser	Arg	Arg	Ala	Ile	Arg	Asn	Met
			260				265						270		
Asn	Thr	Leu	Tyr	Pro	Asp	Ala	Thr	Pro	Glu	Glu	Leu	Gln	Ala	Met	Asp
		275					280					285			
Asn	Val	Cys	Ile	Ile	Cys	Arg	Glu	Glu	Met	Val	Thr	Gly	Ala	Lys	Arg
	290					295					300				
Leu	Pro	Cys	Asn	His	Ile	Phe	His	Thr	Ser	Cys	Leu	Arg	Ser	Trp	Phe
305					310					315					320
Gln	Arg	Gln	Gln	Thr	Cys	Pro	Thr	Cys	Arg	Met	Asp	Val	Leu	Arg	Ala
				325					330					335	
Ser	Leu	Pro	Ala	Gln	Ser	Pro	Pro	Pro	Pro	Glu	Pro	Ala	Asp	Gln	Gly
			340					345					350		
Pro	Pro	Pro	Ala	Pro	His	Pro	Pro	Pro	Leu	Leu	Pro	Gln	Pro	Pro	Asn
		355					360					365			
Phe	Pro	Gln	Gly	Leu	Leu	Pro	Pro	Phe	Pro	Pro	Gly	Met	Phe	Pro	Leu
	370					375					380				
Trp	Pro	Pro	Met	Gly	Pro	Phe	Pro	Pro	Val	Pro	Pro	Pro	Pro	Ser	Ser
385					390					395					400
Gly	Glu	Ala	Val	Ala	Pro	Pro	Ser	Thr	Ser	Ala	Ala	Ala	Leu	Ser	Arg
				405					410					415	
Pro	Ser	Gly	Ala	Ala	Thr	Thr	Thr	Ala	Ala	Gly	Thr	Ser	Ala	Thr	Ala
			420					425					430		
Ala	Ser	Ala	Thr	Ala	Ser	Gly	Pro	Gly	Ser	Gly	Ser	Ala	Pro	Glu	Ala
		435					440					445			
Gly	Pro	Ala	Pro	Gly	Phe	Pro	Phe	Pro	Pro	Pro	Trp	Met	Gly	Met	Pro
	450					455					460				
Leu	Pro	Pro	Pro	Phe	Ala	Phe	Pro	Pro	Met	Pro	Val	Pro	Pro	Ala	Gly
465					470					475					480
Phe	Ala	Gly	Leu	Thr	Pro	Glu	Glu	Leu	Arg	Ala	Leu	Glu	Gly	His	Glu
				485					490					495	
Arg	Gln	His	Leu	Glu	Ala	Arg	Leu	Gln	Ser	Leu	Arg	Asn	Ile	His	Thr
			500					505					510		
Leu	Leu	Asp	Ala	Ala	Met	Leu	Gln	Ile	Asn	Gln	Tyr	Leu	Thr	Val	Leu
		515					520					525			
Ala	Ser	Leu	Gly	Pro	Pro	Arg	Pro	Ala	Thr	Ser	Val	Asn	Ser	Thr	Glu

530	535	540
Glu Thr Ala Thr Thr Val Val Ala Ala Ala Ser Ser Thr Ser Ile Pro		
545	550	555 560
Ser Ser Glu Ala Thr Thr Pro Thr Pro Gly Ala Ser Pro Pro Ala Pro		
	565	570 575
Glu Met Glu Arg Pro Pro Ala Pro Glu Ser Val Gly Thr Glu Glu Met		
	580	585 590
Pro Glu Asp Gly Glu Pro Asp Ala Ala Glu Leu Arg Arg Arg Arg Leu		
	595	600 605
Gln Lys Leu Glu Ser Pro Val Ala His		
610	615	

<210> 811
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 811
Met Asn Val Arg Leu Val Leu Asn Pro Phe Pro Leu Tyr Ser Val Tyr
1 5 10 15
Val Ile Pro Asn
20

<210> 812
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 812
Leu Glu Ile Leu Val Val Lys Lys Leu Leu Ala
1 5 10

<210> 813
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 813
Met Asn Val Arg Leu Val Leu Asn Pro Phe Pro Leu Tyr Ser Val Tyr
1 5 10 15

Val Ile Pro Asn
20

<210> 814
<211> 62
<212> PRT
<213> Homo sapiens

<400> 814
Met Leu Cys Pro Ala Leu Gly Pro Phe Leu Leu Phe Leu Leu Ser Ser
1 5 10 15
Thr Leu Met Ala Ser Phe Met Gly Asp Thr Pro Cys His Pro Gly Glu
20 25 30
Leu Ser Ala Phe Gly Val Ala Pro Ser Arg Val Phe Thr Ser Ser Phe
35 40 45
Leu Phe Thr Val Phe Thr Pro Ser Tyr Pro Ser Leu Pro Gly
50 55 60

<210> 815
<211> 62
<212> PRT
<213> Homo sapiens

<400> 815
Met Leu Cys Pro Ala Leu Gly Pro Phe Leu Leu Phe Leu Leu Ser Ser
1 5 10 15
Thr Leu Met Ala Ser Phe Met Gly Asp Thr Pro Cys His Pro Gly Glu
20 25 30
Leu Ser Ala Phe Gly Val Ala Pro Ser Arg Val Phe Thr Ser Ser Phe
35 40 45
Leu Phe Thr Val Phe Thr Pro Ser Tyr Pro Ser Leu Pro Gly
50 55 60

<210> 816
<211> 51
<212> PRT
<213> Homo sapiens

<400> 816
Gln Ala Ser Trp Val Trp Trp Leu Thr Thr Val Ile Pro Ala Leu Trp
1 5 10 15
Glu Ala Arg Ala Gly Gly Ser Leu Glu Pro Arg Ser Ser Arg Leu Ala
20 25 30
Trp Ala Thr Gln Lys Val Phe Ile Ser Lys Lys Lys Lys Lys Lys Lys
35 40 45
Arg Ala Ala

<210> 817
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 817
 Leu Val Cys Phe Val Ile Phe Arg Leu Trp Tyr Met Cys Val Phe Thr
 1 5 10 15

Leu Trp Ala

<210> 818
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 818
 Phe Leu Ser Ser
 1

<210> 819
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 819
 Met Phe Ile Ser Leu Phe Ile Phe Gly Leu Val Arg Leu Trp Pro Cys
 1 5 10 15

Cys Val Val Ile Tyr Phe Val Tyr Ser Ile Cys Lys His Gln Cys Ser
 20 25 30

Gln Glu Ala His Ser Ser Ile Phe Asn Cys Lys Phe Val Ser Gln Ser
 35 40 45

Gln Phe Ser Ile Met
 50

<210> 820
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 820
 Met Phe Ile Ser Leu Phe Ile Phe Gly Leu Val Arg Leu Trp Pro Cys
 1 5 10 15

Cys Val Val Ile Tyr Phe Val Tyr Ser Ile Cys Lys His Gln Cys Ser
20 25 30

Gln Glu Ala His Ser Ser Ile Phe Asn Cys Lys Phe Val Ser Gln Ser
35 40 45

Gln Phe Ser Ile Met
50

<210> 821
<211> 283
<212> PRT
<213> Homo sapiens

<400> 821
Met Ile Phe Leu Leu Leu Met Leu Ser Leu Glu Leu Gln Leu His Gln
1 5 10 15

Ile Ala Ala Leu Phe Thr Val Thr Val Pro Lys Glu Leu Tyr Ile Ile
20 25 30

Glu His Gly Ser Asn Val Thr Leu Glu Cys Asn Phe Asp Thr Gly Ser
35 40 45

His Val Asn Leu Gly Ala Ile Thr Ala Ser Leu Gln Lys Val Glu Asn
50 55 60

Asp Thr Ser Pro His Arg Glu Arg Ala Thr Leu Leu Glu Glu Gln Leu
65 70 75 80

Pro Leu Gly Lys Ala Ser Phe His Ile Pro Gln Val Gln Val Arg Asp
85 90 95

Glu Gly Gln Tyr Gln Cys Ile Ile Ile Tyr Gly Val Ala Trp Asp Tyr
100 105 110

Lys Tyr Leu Thr Leu Lys Val Lys Ala Ser Tyr Arg Lys Ile Asn Thr
115 120 125

His Ile Leu Lys Val Pro Glu Thr Asp Glu Val Glu Leu Thr Cys Gln
130 135 140

Ala Thr Gly Tyr Pro Leu Ala Glu Val Ser Trp Pro Asn Val Ser Val
145 150 155 160

Pro Ala Asn Thr Ser His Ser Arg Thr Pro Glu Gly Leu Tyr Gln Val
165 170 175

Thr Ser Val Leu Arg Leu Lys Pro Pro Pro Gly Arg Asn Phe Ser Cys
180 185 190

Val Phe Trp Asn Thr His Val Arg Glu Leu Thr Leu Ala Ser Ile Asp
195 200 205

Leu	Gln	Ser	Gln	Met	Glu	Pro	Arg	Thr	His	Pro	Thr	Trp	Leu	Leu	His
210						215					220				
Ile	Phe	Ile	Pro	Ser	Cys	Ile	Ile	Ala	Phe	Ile	Phe	Ile	Ala	Thr	Val
225					230					235					240
Ile	Ala	Leu	Arg	Lys	Gln	Leu	Cys	Gln	Lys	Leu	Tyr	Ser	Ser	Lys	Asp
				245					250					255	
Thr	Thr	Lys	Arg	Pro	Val	Thr	Thr	Thr	Lys	Arg	Glu	Val	Asn	Ser	Ala
			260					265					270		
Val	Asn	Leu	Asn	Leu	Trp	Ser	Trp	Glu	Pro	Gly					
	275						280								

<210> 822
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

Met	Ile	Phe	Leu	Leu	Leu	Met	Leu	Ser	Leu	Glu	Leu	Gln	Leu	His	Gln
1				5					10					15	
Ile	Ala	Ala	Leu	Phe	Thr	Val	Thr	Val	Pro	Lys	Glu	Leu	Tyr	Ile	Ile
			20					25					30		
Glu	His	Gly	Ser	Asn	Val	Thr	Leu	Glu	Cys	Asn	Phe	Asp	Thr	Gly	Ser
		35					40					45			
His	Val	Asn	Leu	Gly	Ala	Ile	Thr	Ala	Ser	Leu	Gln	Lys	Val	Glu	Asn
	50					55					60				
Asp	Thr	Ser	Pro	His	Arg	Glu	Arg	Ala	Thr	Leu	Leu	Glu	Glu	Gln	Leu
65					70					75					80
Pro	Leu	Gly	Lys	Ala	Ser	Phe	Pro	Xaa	Leu	Lys	Xaa	Lys			
				85					90						

<210> 823
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 823

Leu Phe Leu Leu Leu Glu Ile Ser Thr His Leu Cys Phe Trp Lys Ser
1 5 10 15

Leu Arg Lys Leu Glu Gly Lys
20

<210> 824

<211> 46

<212> PRT

<213> Homo sapiens

<400> 824

Met Pro Trp Leu Lys Ser Leu Leu His Phe Ser Leu Phe Leu Val Val
1 5 10 15

Phe Ser Thr Leu Ala Val Lys Ser Leu Gly Val Pro Val Ala Ala Gly
20 25 30

Ser Pro Phe Cys Ile Val Asp Val Leu His Phe Ile Leu Leu
35 40 45

<210> 825

<211> 46

<212> PRT

<213> Homo sapiens

<400> 825

Met Pro Trp Leu Lys Ser Leu Leu His Phe Ser Leu Phe Leu Val Val
1 5 10 15

Phe Ser Thr Leu Ala Val Lys Ser Leu Gly Val Pro Val Ala Ala Gly
20 25 30

Ser Pro Phe Cys Ile Val Asp Val Leu His Phe Ile Leu Leu
35 40 45

<210> 826

<211> 67

<212> PRT

<213> Homo sapiens

<400> 826

Met Asp Arg Gly Val Met Cys Leu Leu Ala Ser Trp Pro Gly Leu Gly
1 5 10 15

Ala Gln Phe Cys Gly Ala Gly Val Cys Pro Leu Arg Val Pro Ser Leu
20 25 30

Glu Pro Thr Leu Pro Asn Asp Gly Gly Gly Leu Glu Ala Leu Thr Leu

35 40 45
 Gly Gly Lys Glu Ala Lys Glu Arg Trp Arg Trp Lys Gly Arg Pro Gly
 50 55 60
 Gln Gly Gly
 65

<210> 827
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 827
 Gly His Val Leu Ala Tyr Ser Ser Trp Pro Ser Leu Ala Pro Gly Leu
 1 5 10 15
 Ser Val Gln Tyr Phe Val Ser Arg Val Glu Val Pro Asn Pro Gly Cys
 20 25 30
 Thr Leu Glu Ala Pro Gly Lys Leu Ser Glu Phe Leu Arg Pro Glu Pro
 35 40 45
 His Pro Lys Pro Ile Ser Ser Glu Ser Leu Gly Gly Thr Glu Pro Gly
 50 55 60
 Phe Cys Gln Leu Lys Pro Ala Met Val Thr Ser Val Ser Ser Tyr Thr
 65 70 75 80
 Glu Asn Ser

<210> 828
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 828
 Met Asp Arg Gly Val Met Cys Leu Leu Ala Ser Trp Pro Gly Leu Gly
 1 5 10 15
 Ala Gln Phe Cys Gly Ala Gly Val Cys Pro Leu Arg Val Pro Ser Leu
 20 25 30
 Glu Pro Thr Leu Pro Asn Asp Gly Gly Gly Leu Glu Ala Leu Thr Leu
 35 40 45
 Gly Gly Lys Glu Ala Lys Glu Arg Trp Arg Trp Lys Gly Arg Pro Gly
 50 55 60
 Gln Gly Gly
 65

<210> 829
<211> 83
<212> PRT
<213> Homo sapiens

<400> 829
Gly His Val Leu Ala Tyr Ser Ser Trp Pro Ser Leu Ala Pro Gly Leu
1 5 10 15
Ser Val Gln Tyr Phe Val Ser Arg Val Glu Val Pro Asn Pro Gly Cys
20 25 30
Thr Leu Glu Ala Pro Gly Lys Leu Ser Glu Phe Leu Arg Pro Glu Pro
35 40 45
His Pro Lys Pro Ile Ser Ser Glu Ser Leu Gly Gly Thr Glu Pro Gly
50 55 60
Phe Cys Gln Leu Lys Pro Ala Met Val Thr Ser Val Ser Ser Tyr Thr
65 70 75 80
Glu Asn Ser

<210> 830
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 830
Ser Trp Val Asp Phe Asp Cys Val Xaa Glu Val Ser Tyr Leu Asn Ser
1 5 10 15
Gly Ser Tyr Ser Leu Val Leu His Leu Glu Gly Leu His Pro Leu Glu
20 25 30
Leu Ser Gly Lys Leu Ala Ile Asp Phe Gly Lys Lys Arg Glu Phe Cys
35 40 45
Val Asp Gly Val Gly Gly Ala Thr Leu Val Ile Cys Pro Gly Phe Gln
50 55 60
Asp Phe
65

<210> 831

<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 831
Met Trp Tyr Val Cys Ala Cys Val Cys Val Cys Val Xaa Val Cys Ser
1 5 10 15
Tyr Asn Arg Arg Thr Gly Lys Val Arg Thr Gln Asn Asn Glu Asp Leu
20 25 30
Leu Lys Cys Gly Gly Gly Val Cys Val Cys Val Phe Ile Glu Gln Glu
35 40 45
Asp Arg Lys Gly Asn Asp His Pro Trp Lys Met Lys Gly
50 55 60

<210> 832
<211> 11
<212> PRT
<213> Homo sapiens

<400> 832
Val Cys Cys Cys Leu His Leu Asn Ala Phe Val
1 5 10

<210> 833
<211> 716
<212> PRT
<213> Homo sapiens

<400> 833
Met Asn Asn Phe Arg Ala Thr Ile Leu Phe Trp Ala Ala Ala Ala Trp
1 5 10 15
Ala Lys Ser Gly Lys Pro Ser Gly Glu Met Asp Glu Val Gly Val Gln
20 25 30
Lys Cys Lys Asn Ala Leu Lys Leu Pro Val Leu Glu Val Leu Pro Gly
35 40 45
Gly Gly Trp Asp Asn Leu Arg Asn Val Asp Met Gly Arg Val Met Glu
50 55 60
Leu Thr Tyr Ser Asn Cys Arg Thr Thr Glu Asp Gly Gln Tyr Ile Ile
65 70 75 80
Pro Asp Glu Ile Phe Thr Ile Pro Gln Lys Gln Ser Asn Leu Glu Met

85								90				95			
Asn	Ser	Glu	Ile	Leu	Glu	Ser	Trp	Ala	Asn	Tyr	Gln	Ser	Ser	Thr	Ser
			100					105					110		
Tyr	Ser	Ile	Asn	Thr	Glu	Leu	Ser	Leu	Phe	Ser	Lys	Val	Asn	Gly	Lys
		115					120					125			
Phe	Ser	Thr	Glu	Phe	Gln	Arg	Met	Lys	Thr	Leu	Gln	Val	Lys	Asp	Gln
	130					135					140				
Ala	Ile	Thr	Thr	Arg	Val	Gln	Val	Arg	Asn	Leu	Val	Tyr	Thr	Val	Lys
145					150					155					160
Ile	Asn	Pro	Thr	Leu	Glu	Leu	Ser	Ser	Gly	Phe	Arg	Lys	Glu	Leu	Leu
				165					170					175	
Asp	Ile	Ser	Asp	Arg	Leu	Glu	Asn	Asn	Gln	Thr	Arg	Met	Ala	Thr	Tyr
			180					185					190		
Leu	Ala	Glu	Leu	Leu	Val	Leu	Asn	Tyr	Gly	Thr	His	Val	Thr	Thr	Ser
		195					200					205			
Val	Asp	Ala	Gly	Ala	Ala	Leu	Ile	Gln	Glu	Asp	His	Leu	Arg	Ala	Ser
	210					215					220				
Phe	Leu	Gln	Asp	Ser	Gln	Ser	Ser	Arg	Ser	Ala	Val	Thr	Ala	Ser	Ala
225					230					235					240
Gly	Leu	Ala	Phe	Gln	Asn	Thr	Val	Asn	Phe	Lys	Phe	Glu	Glu	Asn	Tyr
				245					250					255	
Thr	Ser	Gln	Asn	Val	Leu	Thr	Lys	Ser	Tyr	Leu	Ser	Asn	Arg	Thr	Asn
			260					265					270		
Ser	Arg	Val	Gln	Ser	Ile	Gly	Gly	Val	Pro	Phe	Tyr	Pro	Gly	Ile	Thr
		275					280					285			
Leu	Gln	Ala	Trp	Gln	Gln	Gly	Ile	Thr	Asn	His	Leu	Val	Ala	Ile	Asp
	290					295					300				
Arg	Ser	Gly	Leu	Pro	Leu	His	Phe	Phe	Ile	Asn	Pro	Asn	Met	Leu	Pro
305					310					315					320
Asp	Leu	Pro	Gly	Pro	Leu	Val	Lys	Lys	Val	Ser	Lys	Thr	Val	Glu	Thr
				325					330					335	
Ala	Val	Lys	Arg	Tyr	Tyr	Thr	Phe	Asn	Thr	Tyr	Pro	Gly	Cys	Thr	Asp
			340					345					350		
Leu	Asn	Ser	Pro	Asn	Phe	Asn	Phe	Gln	Ala	Asn	Thr	Asp	Asp	Gly	Ser
		355					360					365			
Cys	Glu	Gly	Lys	Met	Thr	Asn	Phe	Ser	Phe	Gly	Gly	Val	Tyr	Gln	Glu
	370					375					380				
Cys	Thr	Gln	Leu	Ser	Gly	Asn	Arg	Asp	Val	Leu	Leu	Cys	Gln	Lys	Leu

385		390		395		400									
Glu	Gln	Lys	Asn	Pro	Leu	Thr	Gly	Asp	Phe	Ser	Cys	Pro	Ser	Gly	Tyr
				405					410					415	
Ser	Pro	Val	His	Leu	Leu	Ser	Gln	Ile	His	Glu	Glu	Gly	Tyr	Asn	His
			420					425					430		
Leu	Glu	Cys	His	Arg	Lys	Cys	Thr	Leu	Leu	Val	Phe	Cys	Lys	Thr	Val
		435					440					445			
Cys	Glu	Asp	Val	Phe	Gln	Val	Ala	Lys	Ala	Glu	Phe	Arg	Ala	Phe	Trp
	450					455					460				
Cys	Val	Ala	Ser	Ser	Gln	Val	Pro	Glu	Asn	Ser	Gly	Leu	Leu	Phe	Gly
465					470					475					480
Gly	Leu	Phe	Ser	Ser	Lys	Ser	Ile	Asn	Pro	Met	Thr	Asn	Ala	Gln	Ser
				485					490					495	
Cys	Pro	Ala	Gly	Tyr	Phe	Pro	Leu	Arg	Leu	Phe	Glu	Asn	Leu	Lys	Val
			500					505					510		
Cys	Val	Ser	Gln	Asp	Tyr	Glu	Leu	Gly	Ser	Arg	Phe	Ala	Val	Pro	Phe
		515					520					525			
Gly	Gly	Phe	Phe	Ser	Cys	Thr	Val	Gly	Asn	Pro	Leu	Val	Asp	Pro	Ala
	530					535					540				
Ile	Ser	Arg	Asp	Leu	Gly	Ala	Pro	Ser	Leu	Lys	Lys	Cys	Pro	Gly	Gly
545					550					555					560
Phe	Ser	Gln	His	Pro	Ala	Leu	Ile	Ser	Asp	Gly	Cys	Gln	Val	Ser	Tyr
				565					570					575	
Cys	Val	Lys	Ser	Gly	Leu	Phe	Thr	Gly	Gly	Ser	Leu	Pro	Pro	Ala	Arg
			580					585					590		
Leu	Pro	Pro	Phe	Thr	Arg	Pro	Pro	Leu	Met	Ser	Gln	Ala	Ala	Thr	Asn
		595					600					605			
Thr	Val	Ile	Val	Thr	Asn	Ser	Glu	Asn	Ala	Arg	Ser	Trp	Ile	Lys	Asp
	610					615					620				
Ser	Gln	Thr	His	Gln	Trp	Arg	Leu	Gly	Glu	Pro	Ile	Glu	Leu	Arg	Arg
625					630					635					640
Ala	Met	Asn	Val	Ile	His	Gly	Asp	Gly	Gly	Gly	Leu	Ser	Gly	Gly	Ala
				645					650					655	
Ala	Ala	Gly	Val	Thr	Val	Gly	Val	Thr	Thr	Ile	Leu	Ala	Val	Val	Ile
			660					665					670		
Thr	Leu	Ala	Ile	Tyr	Gly	Thr	Arg	Lys	Phe	Lys	Lys	Lys	Ala	Tyr	Gln
		675					680					685			
Ala	Ile	Glu	Glu	Arg	Gln	Ser	Leu	Val	Pro	Gly	Thr	Ala	Ala	Thr	Gly

690

695

700

Asp Thr Thr Tyr Gln Glu Gln Gly Gln Ser Pro Ala
 705 710 715

<210> 834

<211> 94

<212> PRT

<213> Homo sapiens

<400> 834

Leu Ala Val Ile Met Ala Arg Pro Ala Ala Glu Pro Leu Cys Phe Leu
 1 5 10 15

Asn Pro Lys Leu Leu Ala Leu Ala Val Gly Val Leu Glu Leu Leu Gly
 20 25 30

Arg Gly Phe Leu Asp Ser Ser Pro Leu Leu Arg Pro Ala Ser Asp Gly
 35 40 45

Glu Arg Phe Thr Trp Glu Ala Leu Gly Glu Ser Leu Pro Phe Ser Asp
 50 55 60

Thr Phe Ala Ser Ser Val Phe Pro Val Pro Gly Val Phe Ser Ala Pro
 65 70 75 80

Ala Gly Ala Glu Ala Phe Val Leu Gly Met Val Met Pro Thr
 85 90

<210> 835

<211> 39

<212> PRT

<213> Homo sapiens

<400> 835

Met His Leu Leu Pro Trp Arg Ala Ala Ala Ala Pro Pro Leu Leu Ile
 1 5 10 15

Ala Val Pro Pro Arg Pro Ser Arg Ser Pro Val Gln Pro Pro Ser Leu
 20 25 30

Gly Ala Ala Asn Pro Ser Ala
 35

<210> 836

<211> 9

<212> PRT

<213> Homo sapiens

<400> 836

Pro Ser Ala Ala Ala Ser Ala Thr Pro

<210> 837
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 837
 Met His Leu Leu Pro Trp Arg Ala Ala Ala Ala Xaa Pro Leu Leu Xaa
 1 5 10 15

Ala Val Pro Xaa Arg Ala Xaa Arg Xaa Pro Val Gln Ala Pro Ser Leu
20 25 30

Gly Ala Xaa Asn Pro Xaa Arg Gly Thr Gln Val Ala Thr Val Ser Xaa
35 40 45

Xaa Ser Gly Lys Leu Leu Gly Leu Lys Ala Pro Arg Pro Lys Pro
50 55 60

<210> 838
<211> 84
<212> PRT
<213> Homo sapiens

<400> 838
Thr Tyr Ser Phe Cys Val Cys Glu Arg Ala Phe Val Phe Gly Ser Val
1 5 10 15

Pro Arg Ala Glu Val Glu Gln Gly Cys Thr Tyr His Gly Lys Gly Gly
20 25 30

Arg Lys Glu Asn Trp Ile Ala Cys Asp Leu Trp Trp Asn Leu Phe Leu
35 40 45

Leu Pro Arg Pro Phe Arg Pro Cys Leu Ile Ser Val Gly His Phe Arg
50 55 60

Leu Trp Gln Gly Arg Ala Gly Leu Gln Ser Glu Val Pro Ala Ser Ser
65 70 75 80

Leu Glu His Asn

<210> 839
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 839

Leu Gly Gly Tyr Ala Leu Ser Xaa Xaa Xaa Asn Arg Val Thr Asp Xaa
1 5 10 15

Val Met Ile Tyr Phe Phe Ile Ile Ile Val Glu Tyr Phe Tyr Gly Lys
20 25 30

Ile Phe Val Val Leu Ile Ile Pro Ile Lys Ile Met Pro Asn Thr Lys
35 40 45

Tyr Glu Phe Tyr Asp Val His Phe Val Leu Gly Ile Lys Arg Lys Lys
50 55 60

His Thr Ser Trp Lys Ser Val Ser Cys Phe Leu Leu Leu
65 70 75

<210> 840

<211> 184

<212> PRT

<213> Homo sapiens

<400> 840

Met Ser Arg Thr Ala Tyr Thr Val Gly Ala Leu Leu Leu Leu Gly
1 5 10 15

Thr Leu Leu Pro Ala Ala Glu Gly Lys Lys Lys Gly Ser Gln Gly Ala
20 25 30

Ile Pro Pro Pro Asp Lys Ala Gln His Asn Asp Ser Glu Gln Thr Gln
35 40 45

Ser Pro Gln Gln Pro Gly Ser Arg Asn Arg Gly Arg Gly Gln Gly Arg
50 55 60

Gly Thr Ala Met Pro Gly Glu Glu Val Leu Glu Ser Ser Gln Glu Ala
65 70 75 80

Leu His Val Thr Glu Arg Lys Tyr Leu Lys Arg Asp Trp Cys Lys Thr
85 90 95

Gln Pro Leu Lys Gln Thr Ile His Glu Glu Gly Cys Asn Ser Arg Thr
100 105 110

Ile Ile Asn Arg Phe Cys Tyr Gly Gln Cys Asn Ser Phe Tyr Ile Pro
115 120 125

Arg His Ile Arg Lys Glu Glu Gly Ser Phe Gln Ser Cys Ser Phe Cys
130 135 140

Lys Pro Lys Lys Phe Thr Thr Met Met Val Thr Leu Asn Cys Pro Glu
145 150 155 160

Leu Gln Pro Pro Thr Lys Lys Lys Arg Val Thr Arg Val Lys Gln Cys
165 170 175

Arg Cys Ile Ser Ile Asp Leu Asp
180

<210> 841
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 841
Xaa His Ser His Trp Glu Gly Leu Lys Leu Cys Cys Leu Asn Pro Val
1 5 10 15

Leu Gly Pro Ala Arg Lys Arg Lys Arg Xaa Leu Arg Asn Arg Gly Ala
20 25 30

Arg Gly Gly Cys Arg Cys His Ser Arg Ala Ala Leu His Pro His Pro
35 40 45

His Ala Ser Cys Phe Thr Ala His Ser Val Thr Glu Leu Val Ala Leu
50 55 60

Gly Thr Gly Gly His Pro His Thr Leu Met Pro Thr Ala Glu Gly Arg
65 70 75 80

Ala Thr His Pro Ser Arg Asp
85

<210> 842
<211> 77
<212> PRT
<213> Homo sapiens

<400> 842
Phe Val Leu Leu His Cys Leu Asn Ser His Leu His Leu Ala Leu Gln
1 5 10 15

Phe Pro Leu Asn Thr Leu Ser Ser Pro Leu Val Cys Cys Gln Ser Ala

	20		25		30										
Ala	Leu	Pro	Ile	Lys	Ala	Cys	Ile	Asn	Tyr	Ile	Cys	Pro	Met	Phe	Thr
		35					40					45			
Phe	Ile	Lys	His	Phe	Pro	Cys	Thr	Pro	Val	Pro	Thr	Ser	Gln	Gln	Thr
	50					55					60				
Arg	Glu	Arg	Ala	Val	Gln	Leu	Met	Ser	Leu	Pro	Ser	Phe			
65					70					75					

<210> 843
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 843															
Met	Ala	Phe	Pro	Arg	Val	Gly	Ala	Phe	Leu	Phe	Leu	Ala	Ser	Leu	Ser
1				5					10					15	
Ser	Leu	Leu	His	Cys	Arg	Leu	Leu	Ala	Glu	Ala	Val	Ser	Gly	Arg	Ser
			20					25					30		
Val	Ser	Leu	Ala	Pro	Ser	Ile	Ile	Arg							
		35					40								

<210> 844
 <211> 164
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 844															
Arg	Met	Xaa	Cys	Ser	Gln	Pro	Pro	Arg	Cys	His	Phe	Gln	Ser	Asp	Phe
1				5					10					15	
Gln	Lys	Cys	Ala	Pro	Cys	Pro	Arg	Ala	Gln	Thr	His	Trp	Leu	Glu	Pro
			20					25					30		
Pro	Gly	Arg	Val	Gln	Thr	Ile	Ser	Ser	Met	Arg	Asn	Ala	Gln	Lys	Gly
		35					40					45			
Phe	Ala	Asp	Ser	Ile	Arg	Leu	Trp	Arg	Leu	Pro	Ala	Ser	Gly	Val	Gly
	50					55					60				

Trp	Val	Val	Ser	Pro	Pro	Ile	Gln	Thr	Gln	Glu	Val	Ala	Pro	Glu	Gly	65	70	75	80
Met	Tyr	Leu	Val	Gly	Ser	Ser	Ser	Gly	Thr	Leu	Gly	Gly	Cys	Xaa	Ala	85	90	95	
Leu	Thr	Gln	Tyr	Phe	Ser	Leu	Ser	Pro	Leu	Trp	Gly	Ala	Cys	Val	Arg	100	105	110	
Ala	Arg	Val	Leu	Ala	Tyr	Ala	Phe	Leu	Cys	Gly	His	Ile	Arg	Met	Pro	115	120	125	
Leu	Gly	Glu	His	Val	His	Val	Ser	Pro	Pro	Glu	Arg	Ala	Cys	Val	Cys	130	135	140	
Ala	Pro	Leu	Arg	Pro	Arg	Phe	Gly	Arg	Leu	Gly	Phe	Gly	Val	Pro	Val	145	150	155	160
Phe	Cys	Pro	Pro																

<210> 845
 <211> 80
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

Met	Gly	Thr	Ser	Thr	Ala	Trp	Arg	Val	Pro	Trp	Arg	Arg	Trp	Ala	Arg	1	5	10	15
Val	Arg	Cys	Trp	Trp	Leu	Trp	Pro	Xaa	Thr	Gly	Thr	Ala	Glu	Pro	Pro	20	25	30	
Gly	Thr	Ala	Gly	Trp	Gln	Gly	Leu	Ala	Gly	Gly	Arg	Cys	Arg	Glu	Ala	35	40	45	
Trp	Gly	Ser	Leu	Leu	Met	Gly	Met	Phe	Gly	Leu	Cys	Phe	Leu	Pro	Val	50	55	60	
His	Ser	Gln	Ser	Cys	Leu	Ser	Ser	Ser	Ser	Ser	Pro	Thr	Pro	Arg	Pro	65	70	75	80

<210> 846
 <211> 53

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 846
Ile Gly Pro Xaa Gly Pro Arg Asn Ser Xaa Thr Gly Gly Ala Phe Leu
1 5 10 15
Asp Phe Ser Ala Gln Ala Lys Lys Lys Lys Xaa Gln Phe Leu Lys Ile
20 25 30
Phe Phe Pro Gly Leu Cys Lys Ser Leu Ile Tyr Gly Ile Phe Val Met
35 40 45
Gln Arg Asn Thr Leu
50

<210> 847
<211> 50
<212> PRT
<213> Homo sapiens

<400> 847
Met Glu Glu Val Ala Phe Met Val Leu Lys Tyr Val Leu Pro Phe Leu
1 5 10 15
Lys Ser Leu Trp Leu His Val Tyr Leu Leu Ala Val Leu Trp Pro Arg
20 25 30
Leu Ala Ser Met Ile Ser Phe Gly Ser Arg Leu Phe Gln Ile Val Asp
35 40 45
Gly Ala
50

<210> 848
<211> 86
<212> PRT
<213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 848
 Lys Lys Xaa Pro Xaa Xaa Leu Ser Gly Ser Lys Ala Ile Ala Ser Lys
 1 5 10 15
 Thr Lys Glu Ile Glu Gln Val Tyr Arg Gln Asp Cys Glu Thr Phe Gly
 20 25 30
 Met Val Val Lys Met Leu Ile Glu Lys Asp Pro Ser Leu Glu Lys Ser
 35 40 45
 Ile Gln Phe Ala Leu Arg Gln Asn Leu His Glu Ile Gly Glu Arg Cys
 50 55 60
 Val Glu Glu Leu Lys His Phe Ile Ala Glu Tyr Asp Thr Ser Thr Gln
 65 70 75 80
 Asp Phe Gly Glu Pro Phe
 85

<210> 849
 <211> 129
 <212> PRT
 <213> Homo sapiens

<400> 849
 Arg Lys Val Glu Gly Gly Ala Ser Gly Leu Asn Gly Phe Pro Asn His
 1 5 10 15
 Pro Ser Ser Leu Gly Pro Ala Trp Phe Pro Pro Leu Pro Leu Pro Ser
 20 25 30
 Thr Leu Ser Arg Thr Gly Leu Met Lys Ala Leu Pro Lys Ile Ser Pro
 35 40 45
 Thr Pro Asn Phe Pro Leu Pro Pro Thr Phe Pro Thr Ser Ser Thr Thr
 50 55 60
 Leu Phe Gly Ala Thr Ala Gly Pro Glu Ala Gln Ser Ala Val Ser Gln
 65 70 75 80

Ala Phe Val His Leu Ser Pro Gln Ser Ile Ser Val Leu Gly Glu Ser
85 90 95

His Thr Glu Thr Gln Glu His Pro Leu Pro Glu Leu Arg Glu Val Leu
100 105 110

Ser Leu Arg Gly Gly Leu Ser Ala Val Cys Asn Asn Val Val Leu Phe
115 120 125

Ile

<210> 850
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 850
Met Val Gln Arg Leu Trp Val Ser Arg Leu Leu Arg His Arg Lys Ala
1 5 10 15

Gln Leu Leu Leu Val Asn Leu Leu Thr Phe Gly Leu Glu Val Cys Leu
20 25 30

Ala Ala Gly Phe Thr Tyr Val Pro Leu Cys Cys Gly Xaa Xaa Val Xaa
35 40 45

<210> 851
<211> 12
<212> PRT
<213> Homo sapiens

<400> 851
Ile Leu Gln Arg Arg Lys Gln Arg Leu Leu Arg Gly

1

5

10

<210> 852

<211> 371

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 852

Met	Leu	Phe	Pro	Ser	Phe	Ser	Arg	Ser	Leu	Val	Pro	Leu	Pro	His	Ala
1				5					10					15	

Leu	Tyr	Leu	Xaa	Gln	Pro	Leu	Thr	His	Thr	Thr	Ser	Leu	Leu	Ala	Gly
			20					25					30		

Ile	Gly	Pro	Val	Leu	Gly	Leu	Val	Cys	Val	Pro	Leu	Leu	Gly	Ser	Ala
		35					40					45			

Ser	Asp	His	Trp	Arg	Gly	Arg	Tyr	Gly	Arg	Arg	Arg	Pro	Phe	Ile	Trp
	50					55					60				

Ala	Leu	Ser	Leu	Gly	Ile	Leu	Leu	Ser	Leu	Phe	Leu	Ile	Pro	Arg	Ala
65					70					75					80

Gly	Trp	Leu	Ala	Gly	Leu	Leu	Cys	Pro	Asp	Pro	Arg	Pro	Leu	Glu	Leu
				85					90					95	

Ala	Leu	Leu	Ile	Leu	Gly	Val	Gly	Leu	Leu	Asp	Phe	Cys	Gly	Gln	Val
			100					105					110		

Cys	Phe	Thr	Pro	Leu	Glu	Ala	Leu	Leu	Ser	Asp	Leu	Phe	Arg	Asp	Pro
		115					120					125			

Asp	His	Cys	Arg	Gln	Ala	Tyr	Ser	Val	Tyr	Ala	Phe	Met	Ile	Ser	Leu
	130					135					140				

Gly	Gly	Cys	Leu	Gly	Tyr	Leu	Leu	Pro	Ala	Ile	Asp	Trp	Asp	Thr	Ser
145					150					155					160

Ala	Leu	Ala	Pro	Tyr	Leu	Gly	Thr	Gln	Glu	Glu	Cys	Leu	Phe	Gly	Leu
				165					170					175	

Leu	Thr	Leu	Ile	Phe	Leu	Thr	Cys	Val	Ala	Ala	Thr	Leu	Leu	Val	Ala
			180					185					190		

Glu	Glu	Ala	Ala	Leu	Gly	Pro	Thr	Glu	Pro	Ala	Glu	Gly	Leu	Ser	Ala
		195					200					205			

Pro	Ser	Leu	Ser	Pro	His	Cys	Cys	Pro	Cys	Arg	Ala	Arg	Leu	Ala	Phe
	210					215					220				

Arg	Asn	Leu	Gly	Ala	Leu	Leu	Pro	Arg	Leu	His	Gln	Leu	Cys	Cys	Arg
225					230					235					240
Met	Pro	Arg	Thr	Leu	Arg	Arg	Leu	Phe	Val	Ala	Glu	Leu	Cys	Ser	Trp
				245					250					255	
Met	Ala	Leu	Met	Thr	Phe	Thr	Leu	Phe	Tyr	Thr	Asp	Phe	Val	Gly	Glu
			260					265					270		
Gly	Leu	Tyr	Gln	Gly	Val	Pro	Arg	Ala	Glu	Pro	Gly	Thr	Glu	Ala	Arg
		275					280					285			
Arg	His	Tyr	Asp	Glu	Gly	Lys	Ala	Leu	Ala	Ala	Ser	Arg	Gly	Trp	Cys
	290					295					300				
Gly	Ser	Arg	Pro	Pro	Glu	Thr	Thr	Leu	Gly	Ala	Val	Ser	Gly	Leu	Val
305					310					315					320
Pro	Leu	His	Pro	Gly	Pro	Asp	Phe	Ser	Val	Arg	Lys	Val	Gly	Met	Asp
				325					330					335	
Pro	Ile	Cys	Ile	His	Gly	Phe	Ser	Trp	Val	Trp	Asn	Ile	Ser	Ala	Cys
			340					345					350		
Gly	Phe	Arg	Lys	Ala	Ser	Gly	Cys	Ser	Arg	Ser	Leu	Ile	Arg	Val	Val
		355					360					365			
Ala	Pro	Val													
		370													

<210> 853
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 853															
Met	Gly	Pro	Leu	Trp	Gly	Ala	Pro	Leu	Arg	Ala	Trp	Ala	Ala	Gly	Ser
1				5					10					15	
Val	Gly	Cys	Pro	Cys	Cys	Leu	Ser	Cys	Ala	Ser	Pro	Ser	Ser	Ile	Ser
			20					25					30		
Ser	Ala	Gly	Asp	Pro	Leu	Ala	Ser	Cys	Ser	Thr	Cys	Gly	Ser	Thr	Trp
		35					40					45			
Glu	Ile	Pro	Leu	Thr	Trp	Met	Thr	Met	Asp	His	Leu	Leu	Val	Arg	Tyr
	50					55					60				
Tyr	Leu	Ser	Gln	Ala	Arg	Trp	Cys	Thr	Thr	Gly					
65					70					75					

<210> 854
 <211> 57

<212> PRT
<213> Homo sapiens

<400> 854
Ile Ser Tyr His His Val Lys Ala Ser His Leu Lys Ile Lys Ile Gln
1 5 10 15
Ile Ser Leu Lys Pro Glu Val Leu Val Pro Leu His Cys Leu Pro Leu
20 25 30
Ser Pro Thr Pro Arg Glu Glu Ser Gly Gly Phe Leu Phe Ser Ile Ala
35 40 45
Ile Ala Ala Val Gly Phe Leu Val Gln
50 55

<210> 855
<211> 10
<212> PRT
<213> Homo sapiens

<400> 855
Trp Ala Ser Met Ser Ser Val Phe Gly Leu
1 5 10

<210> 856
<211> 5
<212> PRT
<213> Homo sapiens

<400> 856
Ser Phe Ala Thr Cys
1 5

<210> 857
<211> 73
<212> PRT
<213> Homo sapiens

<400> 857
Met Trp Leu Pro Ala Trp Ala Ala Ile Glu Thr Phe Ser Thr Cys Ser
1 5 10 15
Ser Leu Ser Leu Ser Phe Gln Pro Arg Trp Ala Leu Ala Ser Glu Gly
20 25 30
Cys Ala Gly Ser Tyr Val Thr Thr His Arg Ala Leu Gly Ala His Leu
35 40 45
Trp Pro Leu Trp Ser Asp Gln Phe Leu Gly Lys Gly Leu Gly Leu Arg
50 55 60

Ile Pro Phe Ile Thr His Ala His Gln
65 70

<210> 858
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 858
Met Ala Gly Glu Glu Met Ala Trp Gly Ala Arg Leu Trp Ile Met Cys
1 5 10 15
Xaa Leu Leu Phe Leu Ala Ala Ser Glu Gly Ile Met Pro Arg Leu Arg
20 25 30
Ala Ser Ala Trp
35

<210> 859
<211> 352
<212> PRT
<213> Homo sapiens

<400> 859
Val Ser Leu Leu Leu Trp Gly Ile Ser Ile Arg Gly Ala Asp Ala Cys
1 5 10 15
Ala Asp Ala His Leu Phe Cys Lys Glu Cys Leu Ile Arg Tyr Ala Gln
20 25 30
Glu Ala Val Phe Gly Ser Gly Lys Leu Glu Leu Ser Cys Met Glu Gly
35 40 45
Ser Cys Thr Cys Ser Phe Pro Thr Ser Glu Leu Glu Lys Val Leu Pro
50 55 60
Gln Thr Ile Leu Tyr Lys Tyr Tyr Glu Arg Lys Ala Glu Glu Glu Val
65 70 75 80
Ala Ala Ala Tyr Ala Asp Glu Leu Val Arg Cys Pro Ser Cys Ser Phe
85 90 95
Pro Ala Leu Leu Asp Ser Asp Val Lys Arg Phe Ser Cys Pro Asn Pro
100 105 110
His Cys Arg Lys Glu Thr Cys Arg Lys Cys Gln Gly Leu Trp Lys Glu
115 120 125

Phe Val Ile Gly Asn Phe Ala Asn Gly Phe Ile Ala Leu Val Asn Ser
20 25 30

Thr Glu Trp Val Lys Arg Gln Lys Ile Ser Phe Ala Asp Gln Ile Val
35 40 45

Thr Ala Leu Ala Val Ser Arg Val Gly Leu Leu Trp Val Leu Leu
50 55 60

<210> 861
<211> 8
<212> PRT
<213> Homo sapiens

<400> 861
Leu Thr Met Leu Phe Asn Val Ile
1 5

<210> 862
<211> 7
<212> PRT
<213> Homo sapiens

<400> 862
Thr Tyr Ile His Phe Leu Asp
1 5

<210> 863
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 863
Thr Glu Glu Phe Lys Tyr Ala Val Ser Cys Asn Cys Gly Thr Ala Ala
1 5 10 15

Trp Val Arg Val Arg Glu Arg Glu Arg Lys Arg Glu Lys Lys Lys Lys
20 25 30

Lys Arg Xaa Ala Ala Leu Glu Asp Pro Ser Arg Gly Pro Ser Leu Arg
35 40 45

Val His Ala Thr Ser
50

<210> 864
<211> 22
<212> PRT
<213> Homo sapiens

<400> 864
Leu Val Leu Phe Ile Thr Leu Leu Pro Gly Lys Leu Ala His Ser Trp
1 5 10 15
His Thr Val Asn Val Gln
20

<210> 865
<211> 2
<212> PRT
<213> Homo sapiens

<400> 865
Gly Cys
1

<210> 866
<211> 40
<212> PRT
<213> Homo sapiens

<400> 866
Met Ile Leu Tyr Ile Cys Leu Leu Leu Lys Ile Trp Gly Cys Ser Leu
1 5 10 15
Pro Cys Asn Phe Ser Phe Pro Leu Asp Leu Arg Lys Val Met Asp Phe
20 25 30
Gln Phe Val Gln His Phe Phe Leu
35 40

<210> 867
<211> 7
<212> PRT
<213> Homo sapiens

<400> 867
Ser Phe Cys Met Gly Thr Met
1 5

<210> 868
<211> 86
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 868

Ser Xaa Ile Val Gly Leu Ala Ile Trp Arg Gly Gly Leu Cys Gln Glu
1 5 10 15

Leu Pro Leu Glu Arg Phe Leu Leu Xaa Thr Val Phe Gly Ser Asp Leu
20 25 30

Ser Leu Leu Ser Gly Gly Asp Leu Cys Leu Glu Leu Leu Gly Gly Leu
35 40 45

Cys Leu Glu Val Cys Leu Arg Gly Asp Ile Cys Leu Gly Pro Leu Arg
50 55 60

Val Ser Val Ser Glu Leu Ser Leu Leu Cys Leu Ser Val Gln Gly Gln
65 70 75 80

Gln Lys Val Cys Pro Phe
85

<210> 869

<211> 33

<212> PRT

<213> Homo sapiens

<400> 869

Lys Ile Leu Val Ser Tyr Leu Met Pro Gly Met Met Arg Ile Glu Asn
1 5 10 15

Phe Ser Ile Phe Met Cys Leu Thr Gly Cys Leu Gly Ile Asn Phe Ala
20 25 30

Phe

<210> 870

<211> 288

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (230)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (263)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (264)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (270)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (275)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 870
Met Ala Arg Ile Ser Phe Ser Tyr Leu Cys Pro Ala Ser Trp Tyr Phe
1 5 10 15
Thr Val Pro Thr Val Ser Pro Phe Leu Arg Gln Arg Val Ala Phe Leu
20 25 30
Gly Leu Phe Phe Ile Ser Cys Leu Leu Leu Met Leu Ile Ile Asp
35 40 45
Phe Arg His Trp Ser Ala Ser Leu Pro Arg Asp Arg Gln Tyr Glu Arg
50 55 60
Tyr Leu Ala Arg Val Gly Glu Leu Glu Ala Thr Asp Thr Glu Asp Pro
65 70 75 80
Asn Leu Asn Tyr Gly Leu Xaa Val Asp Cys Gly Ser Ser Gly Ser Arg
85 90 95
Ile Phe Xaa Tyr Phe Trp Pro Arg His Asn Gly Asn Pro His Asp Leu
100 105 110
Leu Asp Ile Lys Gln Met Arg Asp Arg Asn Ser Gln Pro Val Val Lys
115 120 125

Lys	Ile	Lys	Pro	Gly	Ile	Ser	Ala	Met	Ala	Asp	Thr	Pro	Glu	His	Ala		
130						135					140						
Ser	Asp	Tyr	Leu	Arg	Pro	Leu	Leu	Ser	Phe	Ala	Ala	Ala	His	Val	Pro		
145					150					155					160		
Val	Lys	Lys	His	Lys	Glu	Thr	Pro	Leu	Tyr	Ile	Leu	Cys	Thr	Ala	Gly		
				165					170					175			
Met	Arg	Leu	Leu	Pro	Glu	Arg	Lys	Gln	Leu	Ala	Ile	Leu	Ala	Asp	Leu		
			180					185					190				
Val	Lys	Asp	Leu	Pro	Leu	Glu	Phe	Asp	Phe	Leu	Phe	Ser	Gln	Ser	Gln		
		195					200					205					
Ala	Glu	Val	Ile	Ser	Gly	Lys	Gln	Glu	Gly	Val	Tyr	Ala	Trp	Ile	Gly		
	210					215					220						
Ile	Asn	Phe	Val	Leu	Xaa	Arg	Phe	Asp	His	Glu	Asp	Glu	Ser	Asp	Ala		
225					230					235					240		
Glu	Ala	Thr	Gln	Glu	Leu	Ala	Ala	Gly	Arg	Arg	Arg	Thr	Val	Gly	Ile		
				245					250					255			
Leu	Asp	Met	Gly	Gly	Ala	Xaa	Xaa	Gln	Ile	Ala	Tyr	Glu	Xaa	Pro	Thr		
			260					265					270				
Phe	Pro	Xaa	Lys	Lys	Thr	Pro	Pro	Leu	Phe	Pro	Leu	Leu	Gly	Gly	Ile		
		275					280					285					

<210> 871
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 871																	
Pro	Leu	Gly	Arg	Glu	Pro	Leu	Ala	Gly	Phe	Leu	Ser	Phe	Leu	Ser	Phe		
1					5				10					15			
Ser	Leu	Leu	Trp	Cys	Leu	Glu	Ala	Phe	Pro	Arg	Leu	Gln	Phe	Leu	Thr		
			20					25					30				
Thr	Leu	Thr	Asp	Phe	Ala	Ile	Val	Leu	Ser	Pro	Pro	Leu	Ser	Phe	Pro		
		35					40					45					
Lys	Leu	Thr	Leu	Trp	Arg	Leu	Ile	Lys	Arg	Lys	Asn	His	Arg	Pro	Gly		

50		55		60
Ala Xaa Leu Thr Pro Arg Arg Arg Ala Asn His Leu Arg Cys Gly Val				
65		70	75	80
Arg Asp Gln Pro Asp Gln Asn Arg Glu Thr Pro Ser Leu Leu Asn Asn				
	85	90		95
Thr Lys Leu Ala Gly Arg Gly Gly Ala Arg Leu				
	100	105		

<210> 872
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 872
Ser Trp Val Ile Val Val Xaa Ile Trp Gly Tyr Leu Leu Glu Gly His
1 5 10 15
Gly Val Pro Phe Cys Lys Ser Tyr Gly Pro Xaa Pro Trp Lys Leu His
20 25 30
Thr His His Ala Ala Tyr Asn Ser Gly Ser Ser Gln Val Tyr Arg Ile
35 40 45
Leu Gly Asn Ser Pro Cys Pro Val Leu Ile His Cys Ser Phe Ser Gly
50 55 60

<210> 873
 <211> 14
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 873
Trp Lys Gly Leu Leu Glu Gly Ser Xaa Glu Ala Thr Met Xaa
1 5 10

<210> 874
<211> 66
<212> PRT
<213> Homo sapiens

<400> 874
Met Ser Trp Val Ile Val Val Ile Ile Trp Gly Tyr Leu Leu Glu Gly
1 5 10 15
His Gly Val Pro Phe Cys Lys Ser Tyr Gly Pro Ser Pro Trp Lys Leu
20 25 30
His Thr His His Ala Ala Tyr Asn Ser Gly Ser Ser Gln Val Tyr Arg
35 40 45
Ile Leu Glu Thr Leu Met Ser Gly Ser Thr His Cys Ser Phe Ser Gly
50 55 60
Thr Phe
65

<210> 875
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 875
Met Pro Arg Ala Pro Trp Arg Ile Pro Leu Cys Ala Leu Pro Thr Leu
1 5 10 15
Cys Leu Gly Ser Pro Leu Pro Ser Gln Pro Thr His Pro Ile Xaa Tyr
20 25 30
Asp His Arg Ala Pro Thr Trp Lys Met Ala His Pro Gly Gly Pro Arg
35 40 45

Ser Ser His Ser Pro Arg Thr Trp Xaa Thr Pro Ser Ser Gln Thr Lys
50 55 60

Ala Ala Leu Pro Ala Gly Gly Ala Arg Asn Ser Pro Leu Gln Leu Cys
65 70 75 80

Thr Arg Ser Arg Phe Cys Gly Thr Pro Met
85 90

<210> 876
<211> 127
<212> PRT
<213> Homo sapiens

<400> 876
Met Pro Arg Ala Pro Trp Arg Ile Pro Leu Cys Ala Leu Pro Thr Leu
1 5 10 15
Cys Leu Gly Ser Pro Leu Pro Ser Gln Pro Thr His Pro Ile Phe Tyr
20 25 30
Asp His Arg Ala Pro Thr Trp Lys Met Ala His Pro Gly Gly Pro Arg
35 40 45
Ser Ser His Ser Pro Arg Gly Pro Gly Gly His Pro Ala Leu Arg Gln
50 55 60
Arg Leu Pro Cys Arg Arg Gly Glu Pro Glu Thr Ala Leu Cys Ser Ser
65 70 75 80
Ala Pro Gly Ala Gly Phe Ala Glu Pro Pro Cys Lys Ala Ser Pro Gly
85 90 95
Trp Gly Pro Pro Ser Arg Gly Pro Gln Gly Asp Arg Ser Gln Gly Glu
100 105 110
Trp Leu Pro Ala Leu Gly Thr Pro Cys Gly Gly Pro Asp Asp Ser
115 120 125

<210> 877
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 877
Met Ala Gly Gln Phe Arg Ser Tyr Val Trp Asp Pro Leu Leu Ile Leu
1 5 10 15

Ser Gln Ile Val Leu Met Gln Thr Val Tyr Tyr Gly Ser Leu Gly Leu
 20 25 30
 Trp Leu Ala Leu Val Asp Gly Leu Val Arg Xaa Ala Pro Arg Trp Thr
 35 40 45
 Arg Cys Ser Thr Pro Arg Ser Trp Ala Phe Pro Pro Leu Gln Ala Gly
 50 55 60
 Ser Pro
 65

<210> 878
 <211> 124
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 878
 Thr Gln Ile Pro Thr His Ile Ser Arg Tyr Thr Pro Leu His Ser Ser
 1 5 10 15
 Leu Gly Asn Arg Ala Arg Leu Arg Leu Lys Lys Xaa Lys Ile Lys Tyr
 20 25 30
 Ala Tyr Leu Cys Pro Pro Ser Leu Lys Gln Leu Leu Asn Tyr Ala Val
 35 40 45
 Ile Asn Gly Leu Ser Ser Ala Asn Tyr Phe Cys Leu Tyr Thr Lys Val
 50 55 60
 Pro Gln Ala Met Leu Leu Leu Ala Ser Gly Leu Ser Ser Ala Phe Pro
 65 70 75 80
 Tyr Asp Ser Leu Gly Phe Thr Leu Ser Met Leu Leu Phe Phe Glu Arg
 85 90 95
 Asn Lys Ser Arg Val Glu Val Leu Ala Lys Glu Pro Ser Ala Pro Ser
 100 105 110
 Ser Tyr Trp Asp Ser Glu Asn Arg Gly Cys Gln Leu
 115 120

<210> 879
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 879

Met Ala Gly Gln Phe Arg Ser Tyr Val Trp Asp Pro Leu Leu Ile Leu
1 5 10 15

Ser Gln Ser Ser Ser Cys Arg Pro Cys Ile Thr Ala Arg Trp Ala Cys
20 25 30

Gly Trp Arg Trp Trp Thr Gly
35

<210> 880

<211> 67

<212> PRT

<213> Homo sapiens

<400> 880

Met Ser Leu Cys Arg Ile Leu Gly Tyr Ser Phe Ser Ser Arg Leu Ser
1 5 10 15

Ser Leu Ile Leu Pro Leu Ala Val Phe His Tyr Cys Leu Ser Cys Pro
20 25 30

Leu His Phe Lys Leu Ser Phe Lys Tyr Leu Pro Phe Pro Ser Phe Pro
35 40 45

Phe Ser Ser Leu Pro Cys Pro Ala Leu Pro Cys Pro Ala Leu Pro Ser
50 55 60

Pro Pro Leu
65

<210> 881

<211> 86

<212> PRT

<213> Homo sapiens

<400> 881

Met Ser Leu Cys Arg Ile Leu Gly Tyr Ser Phe Ser Ser Arg Leu Ser
1 5 10 15

Ser Leu Ile Leu Pro Leu Ala Val Phe His Tyr Cys Leu Ser Cys Pro
20 25 30

Leu His Phe Lys Leu Ser Phe Lys Tyr Leu Pro Phe Pro Ser Phe Pro
35 40 45

Phe Ser Ser Leu Pro Cys Pro Ala Leu Pro Cys Pro Ala Leu Pro Ser
50 55 60

Pro Pro Leu Pro Cys Pro Pro Leu Pro Ser Pro Pro Leu Pro Leu Pro
65 70 75 80

Ser Leu Ser Phe Phe Arg

<210> 882
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 882
 Met Cys Val Gly Leu Phe Leu Ser Ser Val Phe Phe His Ile Cys Val
 1 5 10 15
 His Pro Phe Ala Asn Ala Thr Leu Ser Cys Leu Leu Glu Ile Gly Lys
 20 25 30
 Leu Cys Glu Ser Phe Asn Phe Val Leu Phe Gln Ile Val Leu Ala Ile
 35 40 45
 Leu Val Pro Leu Thr Phe Ile
 50 55

<210> 883
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 883
 Thr Leu Phe Val Ser Tyr Gln Leu Ser Asn Pro Gln Tyr Ser Ser Phe
 1 5 10 15
 Ile Ser Gln Asn Arg Lys Leu Lys Gln Arg Glu Glu Lys Leu His Glu
 20 25 30
 Arg Phe Tyr Thr Ala Val Arg Ser Leu Asn Trp Ile Leu Asn Leu Ala
 35 40 45
 Phe Trp Leu Glu Ser Pro Ser Phe Tyr Gln Leu Cys Ile Ala Val Arg
 50 55 60
 Val Asp Ser Pro Trp Lys Gly Lys Ser
 65 70

<210> 884
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 884

Met Lys Pro Pro Pro Leu Phe Phe Phe Leu Lys Ile Val Leu Xaa Ile
1 5 10 15

Trp Gly Pro Leu Trp Phe His Met Asn Phe Arg Phe Xaa Phe Ser Ile
20 25 30

Ser Met Lys Asn Ala Ile Gly Ile Leu Ile Gly Ile Ala Leu Asn Leu
35 40 45

<210> 885

<211> 48

<212> PRT

<213> Homo sapiens

<400> 885

Met Lys Pro Pro Pro Leu Phe Phe Phe Leu Lys Ile Val Leu Ala Ile
1 5 10 15

Trp Gly Pro Leu Trp Phe His Met Asn Phe Arg Phe Val Phe Ser Ile
20 25 30

Ser Met Lys Asn Ala Ile Gly Ile Leu Ile Gly Ile Ala Leu Asn Leu
35 40 45

<210> 886

<211> 214

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (199)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (206)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 886

Met	Leu	Gly	Ala	Arg	Ala	Trp	Leu	Gly	Arg	Val	Leu	Leu	Leu	Pro	Arg
1				5				10						15	
Ala	Gly	Ala	Gly	Leu	Ala	Ala	Ser	Arg	Arg	Cys	Pro	Gly	Val	Trp	Pro
			20					25					30		
Arg	Thr	Trp	Pro	His	Arg	Ser	Pro	Ser	Arg	Gly	Ser	Ser	Ser	Arg	Asp
		35					40					45			
Lys	Asp	Arg	Ser	Ala	Thr	Val	Ser	Ser	Ser	Val	Pro	Met	Pro	Ala	Gly
	50					55					60				
Gly	Lys	Gly	Ser	His	Pro	Ser	Ser	Thr	Pro	Gln	Arg	Val	Pro	Asn	Arg
65					70					75					80
Leu	Ile	His	Glu	Lys	Ser	Pro	Tyr	Leu	Leu	Gln	His	Ala	Tyr	Asn	Pro
				85					90					95	
Val	Asp	Trp	Tyr	Pro	Trp	Gly	Gln	Glu	Ala	Phe	Asp	Lys	Ala	Arg	Lys
			100					105					110		
Glu	Asn	Lys	Pro	Ile	Phe	Leu	Ser	Val	Gly	Tyr	Ser	Thr	Cys	His	Trp
		115					120					125			
Cys	His	Met	Met	Glu	Glu	Glu	Ser	Phe	Gln	Asn	Glu	Glu	Ile	Gly	Arg
	130					135					140				
Leu	Leu	Ser	Glu	Asp	Phe	Val	Ser	Val	Lys	Val	Asp	Arg	Glu	Glu	Arg
145					150					155					160
Pro	Asp	Val	Asp	Lys	Val	Tyr	Met	Thr	Phe	Val	Gln	Ala	Thr	Ser	Ser
				165					170					175	
Gly	Gly	Gly	Trp	Pro	Met	Asn	Val	Trp	Leu	Thr	Pro	Asn	Leu	Gln	Pro
			180					185					190		
Phe	Val	Gly	Gly	Thr	Ile	Xaa	Leu	Leu	Lys	Asp	Gly	Leu	Xaa	Arg	Val
		195					200					205			
Gly	Ser	Ala	Gln	Cys	Xaa										
	210														

<210> 887

<211> 43

<212> PRT

<213> Homo sapiens

<400> 887

Met	Leu	Gly	Ala	Arg	Ala	Trp	Leu	Gly	Arg	Val	Leu	Leu	Leu	Pro	Arg
1				5				10						15	

Ala Gly Ala Gly Leu Ala Ala Ser Arg Arg Ser Ala Cys Ser Pro Thr
20 25 30

Ser Arg Leu Asn Ser Leu Arg Ser Leu Ile Pro
35 40

<210> 888
<211> 802
<212> PRT
<213> Homo sapiens

<400> 888
Met Leu Gly Ala Arg Ala Trp Leu Gly Arg Val Leu Leu Leu Pro Arg
1 5 10 15

Ala Gly Ala Gly Leu Ala Ala Ser Arg Arg Cys Pro Gly Val Trp Pro
20 25 30

Arg Thr Trp Pro His Arg Ser Pro Ser Arg Gly Ser Ser Ser Arg Asp
35 40 45

Lys Asp Arg Ser Ala Thr Val Ser Ser Ser Val Pro Met Pro Ala Gly
50 55 60

Gly Lys Gly Ser His Pro Ser Ser Thr Pro Gln Arg Val Pro Asn Arg
65 70 75 80

Leu Ile His Glu Lys Ser Pro Tyr Leu Leu Gln His Ala Tyr Asn Pro
85 90 95

Val Asp Trp Tyr Pro Trp Gly Gln Glu Ala Phe Asp Lys Ala Arg Lys
100 105 110

Glu Asn Lys Pro Ile Phe Leu Ser Val Gly Tyr Ser Thr Cys His Trp
115 120 125

Cys His Met Met Glu Glu Glu Ser Phe Gln Asn Glu Glu Ile Gly Arg
130 135 140

Leu Leu Ser Glu Asp Phe Val Ser Val Lys Val Asp Arg Glu Glu Arg
145 150 155 160

Pro Asp Val Asp Lys Val Tyr Met Thr Phe Val Gln Ala Thr Ser Ser
165 170 175

Gly Gly Gly Trp Pro Met Asn Val Trp Leu Thr Pro Asn Leu Gln Pro
180 185 190

Phe Val Gly Gly Thr Tyr Phe Pro Pro Glu Asp Gly Leu Thr Arg Val
195 200 205

Gly Phe Arg Thr Val Leu Leu Arg Ile Arg Glu Gln Trp Lys Gln Asn
210 215 220

Lys Asn Thr Leu Leu Glu Asn Ser Gln Arg Val Thr Thr Ala Leu Leu

225					230					235					240
Ala	Arg	Ser	Glu	Ile	Ser	Val	Gly	Asp	Arg	Gln	Leu	Pro	Pro	Ser	Ala
				245					250					255	
Ala	Thr	Val	Asn	Asn	Arg	Cys	Phe	Gln	Gln	Leu	Asp	Glu	Gly	Tyr	Asp
			260					265					270		
Glu	Glu	Tyr	Gly	Gly	Phe	Ala	Glu	Ala	Pro	Lys	Phe	Pro	Thr	Pro	Val
		275					280					285			
Ile	Leu	Ser	Phe	Leu	Phe	Ser	Tyr	Trp	Leu	Ser	His	Arg	Leu	Thr	Gln
	290					295					300				
Asp	Gly	Ser	Arg	Ala	Gln	Gln	Met	Ala	Leu	His	Thr	Leu	Lys	Met	Met
305					310					315					320
Ala	Asn	Gly	Gly	Ile	Arg	Asp	His	Val	Gly	Gln	Gly	Phe	His	Arg	Tyr
				325					330					335	
Ser	Thr	Asp	Arg	Gln	Trp	His	Val	Pro	His	Phe	Glu	Lys	Met	Leu	Tyr
			340					345					350		
Asp	Gln	Ala	Gln	Leu	Ala	Val	Ala	Tyr	Ser	Gln	Ala	Phe	Gln	Leu	Ser
		355					360					365			
Gly	Asp	Glu	Phe	Tyr	Ser	Asp	Val	Ala	Lys	Gly	Ile	Leu	Gln	Tyr	Val
	370					375					380				
Ala	Arg	Ser	Leu	Ser	His	Arg	Ser	Gly	Gly	Phe	Tyr	Ser	Ala	Glu	Asp
385					390					395					400
Ala	Asp	Ser	Pro	Pro	Glu	Arg	Gly	Gln	Arg	Pro	Lys	Glu	Gly	Ala	Tyr
				405					410					415	
Tyr	Val	Trp	Thr	Val	Lys	Glu	Val	Gln	Gln	Leu	Leu	Pro	Glu	Pro	Val
			420					425					430		
Leu	Gly	Ala	Thr	Glu	Pro	Leu	Thr	Ser	Gly	Gln	Leu	Leu	Met	Lys	His
	435						440					445			
Tyr	Gly	Leu	Thr	Glu	Ala	Gly	Asn	Ile	Ser	Pro	Ser	Gln	Asp	Pro	Lys
	450					455					460				
Gly	Glu	Leu	Gln	Gly	Gln	Asn	Val	Leu	Thr	Val	Arg	Tyr	Ser	Leu	Glu
465					470					475					480
Leu	Thr	Ala	Ala	Arg	Phe	Gly	Leu	Asp	Val	Glu	Ala	Val	Arg	Thr	Leu
				485					490					495	
Leu	Asn	Ser	Gly	Leu	Glu	Lys	Leu	Phe	Gln	Ala	Arg	Lys	His	Arg	Pro
			500					505					510		
Lys	Pro	His	Leu	Asp	Ser	Lys	Met	Leu	Ala	Ala	Trp	Asn	Gly	Leu	Met
		515					520					525			
Val	Ser	Gly	Tyr	Ala	Val	Thr	Gly	Ala	Val	Leu	Gly	Gln	Asp	Arg	Leu

530					535					540					
Ile	Asn	Tyr	Ala	Thr	Asn	Gly	Ala	Lys	Phe	Leu	Lys	Arg	His	Met	Phe
545					550					555					560
Asp	Val	Ala	Ser	Gly	Arg	Leu	Met	Arg	Thr	Cys	Tyr	Thr	Gly	Pro	Gly
				565					570					575	
Gly	Thr	Val	Glu	His	Ser	Asn	Pro	Pro	Cys	Trp	Gly	Phe	Leu	Glu	Asp
			580					585					590		
Tyr	Ala	Phe	Val	Val	Arg	Gly	Leu	Leu	Asp	Leu	Tyr	Glu	Ala	Ser	Gln
		595					600					605			
Glu	Ser	Ala	Trp	Leu	Glu	Trp	Ala	Leu	Arg	Leu	Gln	Asp	Thr	Gln	Asp
	610					615					620				
Arg	Leu	Phe	Trp	Asp	Ser	Gln	Gly	Gly	Gly	Tyr	Phe	Cys	Ser	Glu	Ala
625					630					635					640
Glu	Leu	Gly	Ala	Gly	Leu	Pro	Leu	Arg	Leu	Lys	Asp	Asp	Gln	Asp	Gly
				645					650					655	
Ala	Glu	Pro	Ser	Ala	Asn	Ser	Val	Ser	Ala	His	Asn	Leu	Leu	Arg	Leu
			660					665					670		
His	Gly	Phe	Thr	Gly	His	Lys	Asp	Trp	Met	Asp	Lys	Cys	Val	Cys	Leu
		675					680					685			
Leu	Thr	Ala	Phe	Ser	Glu	Arg	Met	Arg	Arg	Val	Pro	Val	Ala	Leu	Pro
	690					695					700				
Glu	Met	Val	Arg	Ala	Leu	Ser	Ala	Gln	Gln	Gln	Thr	Leu	Lys	Gln	Ile
705					710				715						720
Val	Ile	Cys	Gly	Asp	Arg	Gln	Ala	Lys	Asp	Thr	Lys	Ala	Leu	Val	Gln
				725					730					735	
Cys	Val	His	Ser	Val	Tyr	Ile	Pro	Asn	Lys	Val	Leu	Ile	Leu	Ala	Asp
			740					745					750		
Gly	Asp	Pro	Ser	Ser	Phe	Leu	Ser	Arg	Gln	Leu	Pro	Phe	Leu	Ser	Thr
		755					760					765			
Leu	Arg	Arg	Leu	Glu	Asp	Gln	Ala	Thr	Ala	Tyr	Val	Cys	Glu	Asn	Gln
	770					775					780				
Ala	Cys	Ser	Val	Pro	Ile	Thr	Asp	Pro	Cys	Glu	Leu	Arg	Lys	Leu	Leu
785					790					795					800
His	Pro														

<210> 889

<211> 98

<212> PRT
<213> Homo sapiens

<400> 889

Met His Cys Cys Gln Leu Pro Trp Arg Cys Ala Gln Ala Pro Gln Glu
1 5 10 15

Ala Phe Leu Leu Cys Leu Leu Phe Leu Ile Leu Val Leu Val Leu Leu
20 25 30

Gly Cys Ser Arg Gly Leu Pro Gly His Thr Pro Trp Arg Leu His Pro
35 40 45

Ala Ala Ala Ala Leu Leu Ala Pro Leu Leu His Asp Ala Leu Gly Ala
50 55 60

Cys Gly Phe Gln Gly Pro Glu Tyr Leu Leu Pro Cys Leu Leu Pro Leu
65 70 75 80

Pro Lys Pro Gly Gln Leu Gln Gly Pro Trp Gly Pro Leu Trp Ala Leu
85 90 95

Leu Pro

<210> 890
<211> 25
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 890

Cys Ala Val Arg Phe Arg Glu Gln Xaa Ala Pro Glu Arg Val Phe Leu
1 5 10 15

Pro Thr Arg Gly Arg Lys Ser Glu Pro
20 25

<210> 891
<211> 22
<212> PRT
<213> Homo sapiens

<400> 891

Leu Pro Arg Pro Cys Ala Pro Ser Pro Val Trp Arg Gln Val Gly Arg
1 5 10 15

Glu Glu Ala Ser Leu Leu
20

<210> 892
<211> 98
<212> PRT
<213> Homo sapiens

<400> 892
Met His Cys Cys Gln Leu Pro Trp Arg Cys Ala Gln Ala Pro Gln Glu
1 5 10 15
Ala Phe Leu Leu Cys Leu Leu Phe Leu Ile Leu Val Leu Val Leu Leu
20 25 30
Gly Cys Ser Arg Gly Leu Pro Gly His Thr Pro Trp Arg Leu His Pro
35 40 45
Ala Ala Ala Ala Leu Leu Ala Pro Leu Leu His Asp Ala Leu Gly Ala
50 55 60
Cys Gly Phe Gln Gly Pro Glu Tyr Leu Leu Pro Cys Leu Leu Pro Leu
65 70 75 80
Pro Lys Pro Gly Gln Leu Gln Gly Pro Trp Gly Pro Leu Trp Ala Leu
85 90 95
Leu Pro

<210> 893
<211> 99
<212> PRT
<213> Homo sapiens

<400> 893
Ser Lys Ser Asn Pro Lys Pro Arg Cys Gln Lys Gly Thr Pro Trp Val
1 5 10 15
Ile Arg Pro His Phe His Ser Asp Gly Val Ala Ser Ser Lys Thr Gly
20 25 30
Leu Thr Val Phe Gln Met Ser Gly Leu Gln Ala Pro Ile Pro Ser Arg
35 40 45
Cys Ser Ala Ala Ala Leu Ile Leu Arg Gly Gly Leu Pro Cys Thr Pro
50 55 60
Leu Glu Ala Phe His Trp Gly Asn Cys Leu Pro Gly Ser Ala Leu Arg
65 70 75 80
Ile Arg Ile Ala Lys Ala Gly Gln Ser Leu Pro Gln Gly Cys Ser Thr
85 90 95
Gly Gln Ala

<210> 894
<211> 89
<212> PRT
<213> Homo sapiens

<400> 894
Met Lys Pro Ala Thr Ala Ser Ala Leu Leu Leu Leu Leu Gly Leu
1 5 10 15
Ala Trp Thr Gln Gly Ser His Gly Trp Gly Ala Asp Ala Ser Ser Leu
20 25 30
Gln Lys Arg Ala Gly Arg Ala Asp Gln Val Ser Leu Cys Pro Gln Val
35 40 45
Thr Leu Gln Gly Pro Trp Ser Pro Leu Ala Leu Leu Pro Gly Leu Gly
50 55 60
Asn Leu Lys Phe Ser Phe Thr Pro Pro Phe Asn Gly Phe Leu Ser Arg
65 70 75 80
Val Gln Asp Gly Arg Arg Trp Gln Leu
85

<210> 895
<211> 73
<212> PRT
<213> Homo sapiens

<400> 895
Met Ala Gly Asn Ile Gln Ala Val Glu Thr Gly Tyr Val Leu Ile Cys
1 5 10 15
Leu Ile Val Pro Leu Leu Leu Cys Gly Leu Arg Glu Gly Gln Glu Val
20 25 30
Pro Phe Asp Val Asn Lys Ala Lys Tyr Leu Pro Thr Phe Leu Lys Lys
35 40 45
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60
Lys Lys Lys Lys Lys Lys Lys Lys Ile
65 70

<210> 896
<211> 72
<212> PRT
<213> Homo sapiens

<400> 896

Met	Ala	Gly	Asn	Ile	Gln	Ala	Val	Glu	Thr	Gly	Tyr	Val	Leu	Ile	Cys
1				5				10					15		

Leu	Ile	Val	Pro	Leu	Leu	Leu	Cys	Gly	Leu	Arg	Glu	Gly	Gln	Glu	Val
			20					25					30		

Pro	Phe	Asp	Val	Asn	Lys	Ala	Lys	Tyr	Leu	Pro	Thr	Phe	Leu	Lys	Lys
		35					40					45			

Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys
	50					55					60				

Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys
65						70	

<210> 897

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 897

Met	Tyr	Val	Trp	Val	Ser	Gly	Ala	Leu	Val	Leu	Val	Leu	Ser	Pro	His
1				5				10					15		

Pro	Ala	Ser	Arg	Thr	Leu	Cys	Leu	Met	Xaa	Gln	Ala	Xaa
			20					25				

<210> 898

<211> 80

<212> PRT

<213> Homo sapiens

<400> 898

Pro	His	Cys	Ala	Ser	Arg	Ala	Val	Pro	Tyr	Pro	Pro	Gly	Pro	Ala	Ala
1				5				10					15		

Ala	Ala	Phe	Pro	Arg	Gln	Gly	Leu	Gln	Leu	Ala	Thr	Thr	Cys	Gly	His
			20					25					30		

Ser	Ser	Asp	Pro	Ala	Cys	Phe	Gly	Gln	Cys	Pro	Cys	His	Leu	Cys	Ala
		35					40					45			

Asn His Pro Gly Tyr Leu Trp Ser Tyr Arg Val His Leu Ser Pro Gln
50 55 60

Pro His Leu His Pro Pro Gln His Leu Leu Pro Pro His Cys Thr Leu
65 70 75 80

<210> 899
<211> 29
<212> PRT
<213> Homo sapiens

<400> 899
Met Tyr Val Trp Val Ser Gly Ala Leu Val Leu Val Leu Ser Pro His
1 5 10 15

Pro Ala Ser Arg Thr Leu Cys Leu Met Ala Gln Ala Val
20 25

<210> 900
<211> 53
<212> PRT
<213> Homo sapiens

<400> 900
Met Arg Ile Pro Val Phe Pro Lys Gln Leu Met Phe Thr Gly Leu Val
1 5 10 15

Phe Leu Leu Leu Leu Ser Lys Asp Glu Gly Ile His Asn Arg Leu Ser
20 25 30

Leu Glu Asn Thr Asn Asp Gly Gln Leu Phe Gly Val Ile Asn Glu Leu
35 40 45

Ala Thr Thr Leu Met
50

<210> 901
<211> 46
<212> PRT
<213> Homo sapiens

<400> 901
Met Arg Ile Pro Val Phe Pro Lys Gln Leu Met Phe Thr Gly Leu Val
1 5 10 15

Phe Leu Leu Leu Leu Ser Lys Asp Glu Gly Ile His Asn Arg Leu Ser
20 25 30

Leu Glu Asn Thr Asn Asp Gly Gln Leu Phe Gly Val Ile Lys
 35 40 45

<210> 902
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 902
 Met Pro Phe Thr Leu Gly Xaa Thr Arg Arg Xaa Arg Gly Leu Ala Lys
 1 5 10 15

Lys Pro Lys

<210> 903
 <211> 531
 <212> PRT
 <213> Homo sapiens

<400> 903
 Met Leu Cys Ala Leu Leu Leu Leu Pro Ser Leu Leu Gly Ala Thr Arg
 1 5 10 15

Ala Ser Pro Thr Ser Gly Pro Gln Glu Cys Ala Lys Gly Ser Thr Val
 20 25 30

Trp Cys Gln Asp Leu Gln Thr Ala Ala Arg Cys Gly Ala Val Gly Tyr
 35 40 45

Cys Gln Gly Ala Val Trp Asn Lys Pro Thr Ala Lys Ser Leu Pro Cys
 50 55 60

Asp Val Cys Gln Asp Ile Ala Ala Ala Ala Gly Asn Gly Leu Asn Pro
 65 70 75 80

Asp Ala Thr Glu Ser Asp Ile Leu Ala Leu Val Met Lys Thr Cys Glu
 85 90 95

Trp Leu Pro Ser Gln Glu Ser Ser Ala Gly Cys Lys Trp Met Val Asp
 100 105 110

Ala	His	Ser	Ser	Ala	Ile	Leu	Ser	Met	Leu	Arg	Gly	Ala	Pro	Asp	Ser	
		115					120					125				
Ala	Pro	Ala	Gln	Val	Cys	Thr	Ala	Leu	Ser	Leu	Cys	Glu	Pro	Leu	Gln	
		130					135					140				
Arg	His	Leu	Ala	Thr	Leu	Arg	Pro	Leu	Ser	Lys	Glu	Asp	Thr	Phe	Glu	
145					150					155						
Ala	Val	Ala	Pro	Phe	Met	Ala	Asn	Gly	Pro	Leu	Thr	Phe	His	Pro	Arg	
				165					170							
Gln	Ala	Pro	Glu	Gly	Ala	Leu	Cys	Gln	Asp	Cys	Val	Arg	Gln	Val	Ser	
			180					185					190			
Arg	Leu	Gln	Glu	Ala	Val	Arg	Ser	Asn	Leu	Thr	Leu	Ala	Asp	Leu	Asn	
		195					200					205				
Ile	Gln	Glu	Gln	Cys	Glu	Ser	Leu	Gly	Pro	Gly	Leu	Ala	Val	Leu	Cys	
		210					215					220				
Lys	Asn	Tyr	Leu	Phe	Gln	Phe	Phe	Val	Pro	Ala	Asp	Gln	Ala	Leu	Arg	
225					230					235						
Leu	Leu	Pro	Pro	Gln	Glu	Leu	Cys	Arg	Lys	Gly	Gly	Phe	Cys	Glu	Glu	
				245					250					255		
Leu	Gly	Ala	Pro	Ala	Arg	Leu	Thr	Gln	Val	Val	Ala	Met	Asp	Gly	Val	
			260					265					270			
Pro	Ser	Leu	Glu	Leu	Gly	Leu	Pro	Arg	Lys	Gln	Ser	Glu	Met	Gln	Met	
		275					280					285				
Lys	Ala	Gly	Val	Thr	Cys	Glu	Val	Cys	Met	Asn	Val	Val	Gln	Lys	Leu	
		290					295					300				
Asp	His	Trp	Leu	Met	Ser	Asn	Ser	Ser	Glu	Leu	Met	Ile	Thr	His	Ala	
305					310					315						
Leu	Glu	Arg	Val	Cys	Ser	Val	Met	Pro	Ala	Ser	Ile	Thr	Lys	Glu	Cys	
				325					330					335		
Ile	Ile	Leu	Val	Asp	Thr	Tyr	Ser	Pro	Ser	Leu	Val	Gln	Leu	Val	Ala	
			340					345					350			
Lys	Ile	Thr	Pro	Glu	Lys	Val	Cys	Lys	Phe	Ile	Arg	Leu	Cys	Gly	Asn	
		355					360					365				
Arg	Arg	Arg	Ala	Arg	Ala	Val	His	Asp	Ala	Tyr	Ala	Ile	Val	Pro	Ser	
		370					375					380				
Pro	Glu	Trp	Asp	Ala	Glu	Asn	Gln	Gly	Ser	Phe	Cys	Asn	Gly	Cys	Lys	
385					390					395						
Arg	Leu	Leu	Thr	Val	Ser	Ser	His	Asn	Leu	Glu	Ser	Lys	Ser	Thr	Lys	
				405					410					415		

Arg Asp Ile Leu Val Ala Phe Lys Gly Gly Cys Ser Ile Leu Pro Leu
 420 425 430
 Pro Tyr Met Ile Gln Cys Lys His Phe Val Thr Gln Tyr Glu Pro Val
 435 440 445
 Leu Ile Glu Ser Leu Lys Asp Met Met Asp Pro Val Ala Val Cys Lys
 450 455 460
 Lys Val Gly Ala Cys His Gly Pro Arg Thr Pro Leu Leu Gly Thr Asp
 465 470 475 480
 Gln Cys Ala Leu Gly Pro Ser Phe Trp Cys Arg Ser Gln Glu Ala Ala
 485 490 495
 Ser Cys Ala Thr Leu Cys Asn Thr Ala Arg Ser Met Tyr Gly Lys Arg
 500 505 510
 Cys Thr Ser Thr Leu Gly Asn Thr Arg Asp Arg Gly Cys Gln Arg Pro
 515 520 525
 Arg Ala Cys
 530

<210> 904
 <211> 498
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (398)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 904
 Glu Ala Leu Gly Gly Arg Cys Leu Trp Glu Xaa Pro Val Thr Phe Thr
 1 5 10 15
 Val His Phe Xaa Asp Asn Ser Gly Asp Val Phe His Ala His Ser Ser
 20 25 30
 Val Leu Asn Phe Ala Thr Asn Arg Asp Asp Phe Val Gln Ile Gly Lys
 35 40 45
 Gly Pro Thr Asn Asn Thr Cys Val Val Arg Thr Val Ser Val Gly Leu

50		55		60											
Thr	Leu	Leu	Arg	Val	Trp	Asp	Ala	Glu	His	Pro	Gly	Leu	Ser	Asp	Phe
65					70					75					80
Met	Pro	Leu	Pro	Val	Leu	Gln	Ala	Ile	Ser	Pro	Glu	Leu	Ser	Gly	Ala
				85					90					95	
Met	Val	Val	Gly	Asp	Val	Leu	Cys	Leu	Ala	Thr	Val	Leu	Thr	Ser	Leu
			100					105					110		
Glu	Gly	Leu	Ser	Gly	Thr	Trp	Ser	Ser	Ser	Ala	Asn	Ser	Ile	Leu	His
		115					120					125			
Ile	Asp	Pro	Lys	Thr	Gly	Val	Ala	Val	Ala	Arg	Ala	Val	Gly	Ser	Val
	130					135					140				
Thr	Val	Tyr	Tyr	Glu	Val	Ala	Gly	His	Leu	Arg	Thr	Tyr	Lys	Glu	Val
145					150					155					160
Val	Val	Ser	Val	Pro	Gln	Arg	Ile	Met	Ala	Arg	His	Leu	His	Pro	Ile
				165					170					175	
Gln	Thr	Ser	Phe	Gln	Glu	Ala	Thr	Ala	Ser	Lys	Val	Ile	Val	Ala	Val
			180					185					190		
Gly	Asp	Arg	Ser	Ser	Asn	Leu	Arg	Gly	Glu	Cys	Thr	Pro	Thr	Gln	Arg
	195						200					205			
Glu	Val	Ile	Gln	Ala	Leu	His	Pro	Glu	Thr	Leu	Ile	Ser	Cys	Gln	Ser
	210					215					220				
Gln	Phe	Lys	Pro	Ala	Val	Phe	Asp	Phe	Pro	Ser	Gln	Asp	Val	Phe	Thr
225					230					235					240
Val	Glu	Pro	Gln	Phe	Asp	Thr	Ala	Leu	Gly	Gln	Tyr	Phe	Cys	Ser	Ile
			245						250					255	
Thr	Met	His	Arg	Leu	Thr	Asp	Lys	Gln	Arg	Lys	His	Leu	Ser	Met	Lys
			260					265					270		
Lys	Thr	Ala	Leu	Val	Val	Ser	Ala	Ser	Leu	Ser	Ser	Ser	His	Phe	Ser
		275					280					285			
Thr	Glu	Gln	Val	Gly	Ala	Glu	Val	Pro	Phe	Ser	Pro	Gly	Leu	Phe	Ala
	290					295					300				
Asp	Gln	Ala	Glu	Ile	Leu	Leu	Ser	Asn	His	Tyr	Thr	Ser	Ser	Glu	Ile
305					310					315					320
Arg	Val	Phe	Gly	Ala	Pro	Glu	Val	Leu	Glu	Asn	Leu	Glu	Val	Lys	Ser
			325						330					335	
Gly	Ser	Pro	Ala	Val	Leu	Ala	Phe	Ala	Lys	Glu	Lys	Ser	Phe	Gly	Trp
		340						345					350		
Pro	Ser	Phe	Ile	Thr	Tyr	Thr	Val	Gly	Val	Leu	Asp	Pro	Ala	Ala	Gly

355					360					365						
Ser	Gln	Gly	Pro	Leu	Ser	Thr	Thr	Leu	Thr	Phe	Ser	Ser	Pro	Val	Thr	
370					375					380						
Asn	Gln	Ala	Ile	Ala	Ile	Pro	Val	Thr	Val	Ala	Phe	Val	Xaa	Asp	Arg	
385					390					395					400	
Arg	Gly	Pro	Gly	Pro	Tyr	Gly	Ala	Ser	Leu	Phe	Gln	His	Phe	Leu	Asp	
405					410					415						
Ser	Tyr	Gln	Val	Met	Phe	Phe	Thr	Leu	Phe	Ala	Leu	Leu	Ala	Gly	Thr	
420					425					430						
Ala	Val	Met	Ile	Ile	Ala	Tyr	His	Thr	Val	Cys	Thr	Pro	Arg	Asp	Leu	
435					440					445						
Ala	Val	Pro	Ala	Ala	Leu	Thr	Pro	Arg	Ala	Ser	Pro	Gly	His	Ser	Pro	
450					455					460						
His	Tyr	Phe	Ala	Ala	Ser	Ser	Pro	Thr	Ser	Pro	Asn	Ala	Leu	Pro	Pro	
465					470					475					480	
Ala	Arg	Lys	Ala	Ser	Pro	Pro	Ser	Gly	Leu	Trp	Ser	Pro	Ala	Tyr	Ala	
485					490					495						

Ser His

<210> 905
 <211> 886
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (216)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE .

<222> (871)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 905

Met	Ala	Ala	Arg	Gly	Arg	Gly	Leu	Leu	Leu	Leu	Thr	Leu	Ser	Val	Leu
1				5					10					15	

Leu	Ala	Ala	Gly	Pro	Ser	Ala	Ala	Ala	Xaa	Lys	Leu	Asn	Ile	Pro	Lys
			20					25					30		

Val	Leu	Leu	Pro	Phe	Thr	Arg	Ala	Thr	Arg	Val	Asn	Phe	Thr	Leu	Glu
		35					40					45			

Ala	Ser	Glu	Gly	Cys	Tyr	Arg	Trp	Leu	Ser	Thr	Arg	Pro	Glu	Val	Ala
	50					55					60				

Ser	Ile	Glu	Pro	Leu	Gly	Leu	Asp	Glu	Gln	Gln	Cys	Ser	Gln	Lys	Ala
65					70					75					80

Val	Val	Gln	Ala	Arg	Leu	Thr	Gln	Pro	Ala	Arg	Leu	Thr	Ser	Ile	Ile
				85					90					95	

Phe	Ala	Glu	Asp	Ile	Thr	Thr	Gly	Gln	Val	Leu	Arg	Cys	Asp	Ala	Ile
			100					105					110		

Val	Asp	Leu	Ile	His	Asp	Ile	Gln	Ile	Val	Ser	Thr	Thr	Arg	Glu	Leu
		115					120					125			

Tyr	Leu	Glu	Asp	Ser	Pro	Leu	Glu	Leu	Lys	Ile	Gln	Ala	Leu	Asp	Ser
	130					135					140				

Glu	Gly	Asn	Thr	Phe	Ser	Thr	Leu	Ala	Gly	Leu	Val	Phe	Glu	Trp	Thr
145					150					155					160

Ile	Val	Lys	Asp	Ser	Glu	Ala	Asp	Arg	Phe	Ser	Asp	Ser	His	Asn	Ala
				165					170					175	

Leu	Arg	Ile	Leu	Thr	Phe	Leu	Glu	Ser	Thr	Tyr	Ile	Pro	Pro	Ser	Tyr
			180					185						190	

Ile	Ser	Glu	Met	Glu	Lys	Ala	Ala	Lys	Gln	Gly	Asp	Thr	Ile	Leu	Val
		195				200						205			

Ser	Gly	Met	Lys	Thr	Gly	Ser	Xaa	Lys	Leu	Lys	Ala	Arg	Ile	Gln	Glu
	210					215					220				

Ala	Val	Tyr	Lys	Asn	Val	Arg	Pro	Ala	Xaa	Val	Arg	Leu	Leu	Ile	Leu
225				230						235					240

Glu	Asn	Ile	Leu	Leu	Asn	Pro	Ala	Tyr	Asp	Val	Tyr	Leu	Met	Val	Gly
			245						250					255	

Thr	Ser	Ile	His	Tyr	Lys	Val	Gln	Lys	Ile	Arg	Gln	Gly	Lys	Ile	Thr
			260					265						270	

Glu	Leu	Xaa	Met	Pro	Ser	Asp	Gln	Tyr	Glu	Leu	Gln	Leu	Gln	Asn	Ser
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

275					280					285					
Ile	Pro	Gly	Pro	Glu	Gly	Asp	Pro	Thr	Arg	Pro	Val	Ala	Val	Leu	Ala
	290					295					300				
Gln	Asp	Thr	Ser	Met	Val	Thr	Ala	Leu	Gln	Leu	Gly	Gln	Ser	Ser	Leu
305					310					315					320
Val	Leu	Gly	His	Arg	Ser	Ile	Arg	Met	Gln	Gly	Ala	Ser	Arg	Leu	Pro
				325					330					335	
Asn	Ser	Thr	Ile	Tyr	Val	Val	Glu	Pro	Gly	Tyr	Leu	Gly	Phe	Thr	Val
			340					345					350		
His	Pro	Gly	Asp	Arg	Trp	Val	Leu	Glu	Thr	Gly	Arg	Leu	Tyr	Glu	Ile
		355					360					365			
Thr	Ile	Glu	Val	Phe	Asp	Lys	Phe	Ser	Asn	Lys	Val	Tyr	Val	Ser	Asp
	370					375					380				
Asn	Ile	Arg	Ile	Glu	Thr	Val	Leu	Pro	Ala	Glu	Phe	Phe	Glu	Val	Leu
385					390					395					400
Ser	Ser	Ser	Gln	Asn	Gly	Ser	Tyr	His	Arg	Ile	Arg	Ala	Leu	Lys	Arg
				405					410					415	
Gly	Gln	Thr	Ala	Ile	Asp	Ala	Ala	Leu	Thr	Ser	Val	Val	Asp	Gln	Asp
			420					425					430		
Gly	Gly	Val	His	Ile	Leu	Gln	Val	Pro	Val	Trp	Asn	Gln	Gln	Glu	Val
		435					440					445			
Glu	Ile	His	Ile	Pro	Ile	Thr	Leu	Tyr	Pro	Ser	Ile	Leu	Thr	Phe	Pro
	450					455					460				
Trp	Gln	Pro	Lys	Thr	Gly	Ala	Tyr	Gln	Tyr	Thr	Ile	Arg	Ala	His	Gly
465					470					475					480
Gly	Ser	Gly	Asn	Phe	Ser	Trp	Ser	Ser	Ser	Ser	His	Leu	Val	Ala	Thr
				485					490					495	
Val	Thr	Val	Lys	Gly	Val	Met	Thr	Thr	Gly	Ser	Asp	Ile	Gly	Phe	Ser
			500					505					510		
Val	Ile	Gln	Ala	His	Asp	Val	Gln	Asn	Pro	Leu	His	Phe	Gly	Glu	Met
		515					520					525			
Lys	Val	Tyr	Val	Ile	Glu	Pro	His	Ser	Met	Glu	Phe	Ala	Pro	Cys	Gln
	530					535					540				
Val	Glu	Ala	Arg	Val	Gly	Gln	Ala	Leu	Glu	Leu	Pro	Leu	Arg	Ile	Ser
545					550					555					560
Gly	Leu	Met	Pro	Gly	Gly	Ala	Ser	Glu	Val	Val	Thr	Leu	Ser	Asp	Cys
				565					570					575	
Ser	His	Phe	Asp	Leu	Ala	Val	Glu	Val	Glu	Asn	Gln	Gly	Val	Phe	Gln

580					585					590					
Pro	Leu	Pro	Gly	Arg	Leu	Pro	Pro	Gly	Ser	Glu	His	Cys	Ser	Gly	Val
		595					600					605			
Arg	Val	Lys	Ala	Glu	Ala	Gln	Gly	Ser	Thr	Thr	Leu	Leu	Val	Ser	Tyr
	610					615					620				
Arg	His	Gly	His	Val	His	Leu	Ser	Ala	Lys	Ile	Thr	Ile	Ala	Ala	Tyr
625					630					635					640
Leu	Pro	Leu	Lys	Ala	Val	Asp	Pro	Ser	Ser	Val	Ala	Leu	Val	Thr	Leu
				645					650					655	
Gly	Ser	Ser	Lys	Glu	Met	Leu	Phe	Glu	Gly	Gly	Pro	Arg	Pro	Trp	Ile
			660					665					670		
Leu	Glu	Pro	Ser	Lys	Phe	Phe	Gln	Asn	Val	Thr	Ala	Glu	Asp	Thr	Asp
		675					680					685			
Ser	Ile	Gly	Leu	Ala	Leu	Phe	Ala	Pro	His	Ser	Ser	Arg	Asn	Tyr	Gln
	690					695					700				
Gln	His	Trp	Ile	Leu	Val	Thr	Cys	Gln	Ala	Leu	Gly	Glu	Gln	Val	Ile
705					710					715					720
Ala	Leu	Ser	Val	Gly	Asn	Lys	Pro	Ser	Leu	Thr	Asn	Pro	Phe	Pro	Ala
				725					730					735	
Val	Glu	Pro	Ala	Val	Val	Lys	Phe	Val	Cys	Ala	Pro	Pro	Ser	Arg	Leu
			740					745					750		
Thr	Leu	Val	Pro	Val	Tyr	Thr	Ser	Pro	Gln	Leu	Asp	Met	Ser	Cys	Pro
		755					760					765			
Leu	Leu	Gln	Gln	Asn	Lys	Gln	Val	Val	Pro	Val	Ser	Ser	His	Arg	Asn
	770					775					780				
Pro	Leu	Leu	Asp	Leu	Ala	Ala	Tyr	Asp	Gln	Glu	Gly	Arg	Arg	Phe	Asp
785					790					795					800
Asn	Phe	Ser	Ser	Leu	Ser	Ile	Gln	Trp	Glu	Ser	Thr	Arg	Pro	Val	Leu
				805					810					815	
Ala	Ser	Ile	Glu	Pro	Glu	Leu	Pro	Met	Gln	Leu	Val	Ser	Gln	Asp	Asp
			820					825					830		
Glu	Ser	Gly	Gln	Lys	Lys	Leu	His	Gly	Leu	Gln	Ala	Ile	Leu	Val	His
		835					840					845			
Glu	Ala	Ser	Gly	Thr	Thr	Ala	Ser	Leu	Pro	Leu	Pro	Leu	Ala	Thr	Arg
	850					855					860				
Ser	Pro	Thr	Ser	Ala	Leu	Xaa	Glu	Gln	Ser	Ser	Arg	Met	Thr	Leu	Trp
865					870					875					880
Cys	Leu	Cys	Arg	Pro	Pro										

<210> 906
 <211> 1887
 <212> PRT
 <213> Homo sapiens

<400> 906

Met	Ala	Ala	Arg	Gly	Arg	Gly	Leu	Leu	Leu	Leu	Thr	Leu	Ser	Val	Leu
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Leu	Ala	Ala	Gly	Pro	Ser	Ala	Ala	Ala	Ala	Lys	Leu	Asn	Ile	Pro	Lys
			20					25					30		
Val	Leu	Leu	Pro	Phe	Thr	Arg	Ala	Thr	Arg	Val	Asn	Phe	Thr	Leu	Glu
		35					40					45			
Ala	Ser	Glu	Gly	Cys	Tyr	Arg	Trp	Leu	Ser	Thr	Arg	Pro	Glu	Val	Ala
	50					55					60				
Ser	Ile	Glu	Pro	Leu	Gly	Leu	Asp	Glu	Gln	Gln	Cys	Ser	Gln	Lys	Ala
65					70				75						80
Val	Val	Gln	Ala	Arg	Leu	Thr	Gln	Pro	Ala	Arg	Leu	Thr	Ser	Ile	Ile
				85					90					95	
Phe	Ala	Glu	Asp	Ile	Thr	Thr	Gly	Gln	Val	Leu	Arg	Cys	Asp	Ala	Ile
			100					105					110		
Val	Asp	Leu	Ile	His	Asp	Ile	Gln	Ile	Val	Ser	Thr	Thr	Arg	Glu	Leu
		115					120					125			
Tyr	Leu	Glu	Asp	Ser	Pro	Leu	Glu	Leu	Lys	Ile	Gln	Ala	Leu	Asp	Ser
	130					135					140				
Glu	Gly	Asn	Thr	Phe	Ser	Thr	Leu	Ala	Gly	Leu	Val	Phe	Glu	Trp	Thr
145					150					155					160
Ile	Val	Lys	Asp	Ser	Glu	Ala	Asp	Arg	Phe	Ser	Asp	Ser	His	Asn	Ala
				165					170					175	
Leu	Arg	Ile	Leu	Thr	Phe	Leu	Glu	Ser	Thr	Tyr	Ile	Pro	Pro	Ser	Tyr
		180						185					190		
Ile	Ser	Glu	Met	Glu	Lys	Ala	Ala	Lys	Gln	Gly	Asp	Thr	Ile	Leu	Val
		195					200					205			
Ser	Gly	Met	Lys	Thr	Gly	Ser	Ser	Lys	Leu	Lys	Ala	Arg	Ile	Gln	Glu
	210					215					220				
Ala	Val	Tyr	Lys	Asn	Val	Arg	Pro	Ala	Glu	Val	Arg	Leu	Leu	Ile	Leu
225					230					235					240
Glu	Asn	Ile	Leu	Leu	Asn	Pro	Ala	Tyr	Asp	Val	Tyr	Leu	Met	Val	Gly
			245						250					255	

Thr	Ser	Ile	His	Tyr	Lys	Val	Gln	Lys	Ile	Arg	Gln	Gly	Lys	Ile	Thr	260	265	270	
Glu	Leu	Ser	Met	Pro	Ser	Asp	Gln	Tyr	Glu	Leu	Gln	Leu	Gln	Asn	Ser	275	280	285	
Ile	Pro	Gly	Pro	Glu	Gly	Asp	Pro	Thr	Arg	Pro	Val	Ala	Val	Leu	Ala	290	295	300	
Gln	Asp	Thr	Ser	Met	Val	Thr	Ala	Leu	Gln	Leu	Gly	Gln	Ser	Ser	Leu	305	310	315	320
Val	Leu	Gly	His	Arg	Ser	Ile	Arg	Met	Gln	Gly	Ala	Ser	Arg	Leu	Pro	325	330	335	
Asn	Ser	Thr	Ile	Tyr	Val	Val	Glu	Pro	Gly	Tyr	Leu	Gly	Phe	Thr	Val	340	345	350	
His	Pro	Gly	Asp	Arg	Trp	Val	Leu	Glu	Thr	Gly	Arg	Leu	Tyr	Glu	Ile	355	360	365	
Thr	Ile	Glu	Val	Phe	Asp	Lys	Phe	Ser	Asn	Lys	Val	Tyr	Val	Ser	Asp	370	375	380	
Asn	Ile	Arg	Ile	Glu	Thr	Val	Leu	Pro	Ala	Glu	Phe	Phe	Glu	Val	Leu	385	390	395	400
Ser	Ser	Ser	Gln	Asn	Gly	Ser	Tyr	His	Arg	Ile	Arg	Ala	Leu	Lys	Arg	405	410	415	
Gly	Gln	Thr	Ala	Ile	Asp	Ala	Ala	Leu	Thr	Ser	Val	Val	Asp	Gln	Asp	420	425	430	
Gly	Gly	Val	His	Ile	Leu	Gln	Val	Pro	Val	Trp	Asn	Gln	Gln	Glu	Val	435	440	445	
Glu	Ile	His	Ile	Pro	Ile	Thr	Leu	Tyr	Pro	Ser	Ile	Leu	Thr	Phe	Pro	450	455	460	
Trp	Gln	Pro	Lys	Thr	Gly	Ala	Tyr	Gln	Tyr	Thr	Ile	Arg	Ala	His	Gly	465	470	475	480
Gly	Ser	Gly	Asn	Phe	Ser	Trp	Ser	Ser	Ser	Ser	His	Leu	Val	Ala	Thr	485	490	495	
Val	Thr	Val	Lys	Gly	Val	Met	Thr	Thr	Gly	Ser	Asp	Ile	Gly	Phe	Ser	500	505	510	
Val	Ile	Gln	Ala	His	Asp	Val	Gln	Asn	Pro	Leu	His	Phe	Gly	Glu	Met	515	520	525	
Lys	Val	Tyr	Val	Ile	Glu	Pro	His	Ser	Met	Glu	Phe	Ala	Pro	Cys	Gln	530	535	540	
Val	Glu	Ala	Arg	Val	Gly	Gln	Ala	Leu	Glu	Leu	Pro	Leu	Arg	Ile	Ser	545	550	555	560

Gly	Leu	Met	Pro	Gly	Gly	Ala	Ser	Glu	Val	Val	Thr	Leu	Ser	Asp	Cys	565	570	575	
Ser	His	Phe	Asp	Leu	Ala	Val	Glu	Val	Glu	Asn	Gln	Gly	Val	Phe	Gln	580	585	590	
Pro	Leu	Pro	Gly	Arg	Leu	Pro	Pro	Gly	Ser	Glu	His	Cys	Ser	Gly	Val	595	600	605	
Arg	Val	Lys	Ala	Glu	Ala	Gln	Gly	Ser	Thr	Thr	Leu	Leu	Val	Ser	Tyr	610	615	620	
Arg	His	Gly	His	Val	His	Leu	Ser	Ala	Lys	Ile	Thr	Ile	Ala	Ala	Tyr	625	630	635	640
Leu	Pro	Leu	Lys	Ala	Val	Asp	Pro	Ser	Ser	Val	Ala	Leu	Val	Thr	Leu	645	650	655	
Gly	Ser	Ser	Lys	Glu	Met	Leu	Phe	Glu	Gly	Gly	Pro	Arg	Pro	Trp	Ile	660	665	670	
Leu	Glu	Pro	Ser	Lys	Phe	Phe	Gln	Asn	Val	Thr	Ala	Glu	Asp	Thr	Asp	675	680	685	
Ser	Ile	Gly	Leu	Ala	Leu	Phe	Ala	Pro	His	Ser	Ser	Arg	Asn	Tyr	Gln	690	695	700	
Gln	His	Trp	Ile	Leu	Val	Thr	Cys	Gln	Ala	Leu	Gly	Glu	Gln	Val	Ile	705	710	715	720
Ala	Leu	Ser	Val	Gly	Asn	Lys	Pro	Ser	Leu	Thr	Asn	Pro	Phe	Pro	Ala	725	730	735	
Val	Glu	Pro	Ala	Val	Val	Lys	Phe	Val	Cys	Ala	Pro	Pro	Ser	Arg	Leu	740	745	750	
Thr	Leu	Val	Pro	Val	Tyr	Thr	Ser	Pro	Gln	Leu	Asp	Met	Ser	Cys	Pro	755	760	765	
Leu	Leu	Gln	Gln	Asn	Lys	Gln	Val	Val	Pro	Val	Ser	Ser	His	Arg	Asn	770	775	780	
Pro	Leu	Leu	Asp	Leu	Ala	Ala	Tyr	Asp	Gln	Glu	Gly	Arg	Arg	Phe	Asp	785	790	795	800
Asn	Phe	Ser	Ser	Leu	Ser	Ile	Gln	Trp	Glu	Ser	Thr	Arg	Pro	Val	Leu	805	810	815	
Ala	Ser	Ile	Glu	Pro	Glu	Leu	Pro	Met	Gln	Leu	Val	Ser	Gln	Asp	Asp	820	825	830	
Glu	Ser	Gly	Gln	Lys	Lys	Leu	His	Gly	Leu	Gln	Ala	Ile	Leu	Val	His	835	840	845	
Glu	Ala	Ser	Gly	Thr	Thr	Ala	Ile	Thr	Ala	Thr	Ala	Thr	Gly	Tyr	Gln	850	855	860	

Glu	Ser	His	Leu	Ser	Ser	Ala	Arg	Thr	Lys	Gln	Pro	His	Asp	Pro	Leu	865	870	875	880
Val	Pro	Leu	Ser	Ala	Ser	Ile	Glu	Leu	Ile	Leu	Val	Glu	Asp	Val	Arg		885	890	895
Val	Ser	Pro	Glu	Glu	Val	Thr	Ile	Tyr	Asn	His	Pro	Gly	Ile	Gln	Ala	900		905	910
Glu	Leu	Arg	Ile	Arg	Glu	Gly	Ser	Gly	Tyr	Phe	Phe	Leu	Asn	Thr	Ser	915		920	925
Thr	Ala	Asp	Val	Val	Lys	Val	Ala	Tyr	Gln	Glu	Ala	Arg	Gly	Val	Ala	930		935	940
Met	Val	His	Pro	Leu	Leu	Pro	Gly	Ser	Ser	Thr	Ile	Met	Ile	His	Asp	945	950	955	960
Leu	Cys	Leu	Val	Phe	Pro	Ala	Pro	Ala	Lys	Ala	Val	Val	Tyr	Val	Ser		965	970	975
Asp	Ile	Gln	Glu	Leu	Tyr	Ile	Arg	Val	Val	Asp	Lys	Val	Glu	Ile	Gly	980		985	990
Lys	Thr	Val	Lys	Ala	Tyr	Val	Arg	Val	Leu	Asp	Leu	His	Lys	Lys	Pro	995		1000	1005
Phe	Leu	Ala	Lys	Tyr	Phe	Pro	Phe	Met	Asp	Leu	Lys	Leu	Arg	Ala	Ala	1010		1015	1020
Ser	Pro	Ile	Ile	Thr	Leu	Val	Ala	Leu	Asp	Glu	Ala	Leu	Asp	Asn	Tyr	1025	1030	1035	1040
Thr	Ile	Thr	Phe	Leu	Ile	Arg	Gly	Val	Ala	Ile	Gly	Gln	Thr	Ser	Leu		1045	1050	1055
Thr	Ala	Ser	Val	Thr	Asn	Lys	Ala	Gly	Gln	Arg	Ile	Asn	Ser	Ala	Pro	1060		1065	1070
Gln	Gln	Ile	Glu	Val	Phe	Pro	Pro	Phe	Arg	Leu	Met	Pro	Arg	Lys	Val	1075		1080	1085
Thr	Leu	Leu	Ile	Gly	Ala	Thr	Met	Gln	Val	Thr	Ser	Glu	Gly	Gly	Pro	1090		1095	1100
Gln	Pro	Gln	Ser	Asn	Ile	Leu	Phe	Ser	Ile	Ser	Asn	Glu	Ser	Val	Ala	1105	1110	1115	1120
Leu	Val	Ser	Ala	Ala	Gly	Leu	Val	Gln	Gly	Leu	Ala	Ile	Gly	Asn	Gly		1125	1130	1135
Thr	Val	Ser	Gly	Leu	Val	Gln	Ala	Val	Asp	Ala	Glu	Thr	Gly	Lys	Val	1140		1145	1150
Val	Ile	Ile	Ser	Gln	Asp	Leu	Val	Gln	Val	Glu	Val	Leu	Leu	Leu	Arg	1155		1160	1165

Ala Val Arg Ile Arg Ala Pro Ile Met Arg Met Arg Thr Gly Thr Gln		
1170	1175	1180
Met Pro Ile Tyr Val Thr Gly Ile Thr Asn His Gln Asn Pro Phe Ser		
1185	1190	1195 1200
Phe Gly Asn Ala Val Pro Gly Leu Thr Phe His Trp Ser Val Thr Lys		
1205	1210	1215
Arg Asp Val Leu Asp Leu Arg Gly Arg His His Glu Ala Ser Ile Arg		
1220	1225	1230
Leu Pro Ser Gln Tyr Asn Phe Ala Met Asn Val Leu Gly Arg Val Lys		
1235	1240	1245
Gly Arg Thr Gly Leu Arg Val Val Val Lys Ala Val Asp Pro Thr Ser		
1250	1255	1260
Gly Gln Leu Tyr Gly Leu Ala Arg Glu Leu Ser Asp Glu Ile Gln Val		
1265	1270	1275 1280
Gln Val Phe Glu Lys Leu Gln Leu Leu Asn Pro Glu Ile Glu Ala Glu		
1285	1290	1295
Gln Ile Leu Met Ser Pro Asn Ser Tyr Ile Lys Leu Gln Thr Asn Arg		
1300	1305	1310
Asp Gly Ala Ala Ser Leu Ser Tyr Arg Val Leu Asp Gly Pro Glu Lys		
1315	1320	1325
Val Pro Val Val His Val Asp Glu Lys Gly Phe Leu Ala Ser Gly Ser		
1330	1335	1340
Met Ile Gly Thr Ser Thr Ile Gly Val Ile Ala Gln Glu Pro Phe Gly		
1345	1350	1355 1360
Ala Asn Gln Thr Ile Ile Val Ala Val Lys Val Ser Pro Val Ser Tyr		
1365	1370	1375
Leu Arg Val Ser Met Ser Pro Val Leu His Thr Gln Asn Lys Glu Ala		
1380	1385	1390
Leu Val Ala Val Pro Leu Gly Met Thr Val Thr Phe Thr Val His Phe		
1395	1400	1405
His Asp Asn Ser Gly Asp Val Phe His Ala His Ser Ser Val Leu Asn		
1410	1415	1420
Phe Ala Thr Asn Arg Asp Asp Phe Val Gln Ile Gly Lys Gly Pro Thr		
1425	1430	1435 1440
Asn Asn Thr Cys Val Val Arg Thr Val Ser Val Gly Leu Thr Leu Leu		
1445	1450	1455
Arg Val Trp Asp Ala Glu His Pro Gly Leu Ser Asp Phe Met Pro Leu		
1460	1465	1470

Pro Val Leu Gln Ala Ile Ser Pro Glu Leu Ser Gly Ala Met Val Val	1475	1480	1485
Gly Asp Val Leu Cys Leu Ala Thr Val Leu Thr Ser Leu Glu Gly Leu	1490	1495	1500
Ser Gly Thr Trp Ser Ser Ser Ala Asn Ser Ile Leu His Ile Asp Pro	1505	1510	1515 1520
Lys Thr Gly Val Ala Val Ala Arg Ala Val Gly Ser Val Thr Val Tyr	1525	1530	1535
Tyr Glu Val Ala Gly His Leu Arg Thr Tyr Lys Glu Val Val Val Ser	1540	1545	1550
Val Pro Gln Arg Ile Met Ala Arg His Leu His Pro Ile Gln Thr Ser	1555	1560	1565
Phe Gln Glu Ala Thr Ala Ser Lys Val Ile Val Ala Val Gly Asp Arg	1570	1575	1580
Ser Ser Asn Leu Arg Gly Glu Cys Thr Pro Thr Gln Arg Glu Val Ile	1585	1590	1595 1600
Gln Ala Leu His Pro Glu Thr Leu Ile Ser Cys Gln Ser Gln Phe Lys	1605	1610	1615
Pro Ala Val Phe Asp Phe Pro Ser Gln Asp Val Phe Thr Val Glu Pro	1620	1625	1630
Gln Phe Asp Thr Ala Leu Gly Gln Tyr Phe Cys Ser Ile Thr Met His	1635	1640	1645
Arg Leu Thr Asp Lys Gln Arg Lys His Leu Ser Met Lys Lys Thr Ala	1650	1655	1660
Leu Val Val Ser Ala Ser Leu Ser Ser Ser His Phe Ser Thr Glu Gln	1665	1670	1675 1680
Val Gly Ala Glu Val Pro Phe Ser Pro Gly Leu Phe Ala Asp Gln Ala	1685	1690	1695
Glu Ile Leu Leu Ser Asn His Tyr Thr Ser Ser Glu Ile Arg Val Phe	1700	1705	1710
Gly Ala Pro Glu Val Leu Glu Asn Leu Glu Val Lys Ser Gly Ser Pro	1715	1720	1725
Ala Val Leu Ala Phe Ala Lys Glu Lys Ser Phe Gly Trp Pro Ser Phe	1730	1735	1740
Ile Thr Tyr Thr Val Gly Val Leu Asp Pro Ala Ala Gly Ser Gln Gly	1745	1750	1755 1760
Pro Leu Ser Thr Thr Leu Thr Phe Ser Ser Pro Val Thr Asn Gln Ala	1765	1770	1775

Ile Ala Ile Pro Val Thr Val Ala Phe Val Val Asp Arg Arg Gly Pro
1780 1785 1790

Gly Pro Tyr Gly Ala Ser Leu Phe Gln His Phe Leu Asp Ser Tyr Gln
1795 1800 1805

Val Met Phe Phe Thr Leu Phe Ala Leu Leu Ala Gly Thr Ala Val Met
1810 1815 1820

Ile Ile Ala Tyr His Thr Val Cys Thr Pro Arg Asp Leu Ala Val Pro
1825 1830 1835 1840

Ala Ala Leu Thr Pro Arg Ala Ser Pro Gly His Ser Pro His Tyr Phe
1845 1850 1855

Ala Ala Ser Ser Pro Thr Ser Pro Asn Ala Leu Pro Pro Ala Arg Lys
1860 1865 1870

Ala Ser Pro Pro Ser Gly Leu Trp Ser Pro Ala Tyr Ala Ser His
1875 1880 1885

<210> 907
<211> 16
<212> PRT
<213> Homo sapiens

<400> 907
Pro Leu Cys Leu Ala Leu Glu Leu Gly Trp Val Cys Leu Ser Ser Thr
1 5 10 15

<210> 908
<211> 302
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (262)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (279)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (294)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (295)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 908

Met	Leu	Leu	Leu	Trp	Lys	Asn	Phe	Met	Tyr	Arg	Arg	Arg	Gln	Pro	Val
1				5					10					15	

Gln	Leu	Leu	Val	Glu	Leu	Leu	Trp	Pro	Leu	Phe	Leu	Phe	Phe	Ile	Leu
			20					25					30		

Val	Ala	Val	Arg	His	Ser	His	Pro	Pro	Leu	Glu	His	His	Glu	Cys	His
		35					40					45			

Phe	Pro	Asn	Lys	Pro	Leu	Pro	Ser	Ala	Gly	Thr	Val	Pro	Trp	Leu	Gln
	50					55					60				

Gly	Leu	Ile	Cys	Asn	Val	Asn	Asn	Thr	Cys	Phe	Pro	Gln	Leu	Thr	Pro
65					70					75					80

Gly	Glu	Glu	Pro	Gly	Arg	Leu	Ser	Asn	Phe	Asn	Asp	Ser	Leu	Val	Ser
				85					90					95	

Arg	Leu	Leu	Ala	Asp	Ala	Arg	Thr	Val	Leu	Gly	Gly	Ala	Ser	Ala	His
			100					105					110		

Arg	Thr	Leu	Ala	Gly	Leu	Gly	Lys	Leu	Ile	Ala	Thr	Leu	Arg	Ala	Ala
		115					120					125			

Arg	Ser	Thr	Ala	Gln	Pro	Gln	Pro	Thr	Lys	Gln	Ser	Pro	Leu	Glu	Pro
	130					135					140				

Pro	Met	Leu	Asp	Val	Ala	Glu	Leu	Leu	Thr	Ser	Leu	Leu	Arg	Thr	Glu
145					150					155					160

Ser	Leu	Gly	Leu	Ala	Leu	Gly	Gln	Ala	Gln	Glu	Pro	Leu	His	Ser	Leu
				165					170					175	

Leu	Glu	Ala	Ala	Glu	Asp	Leu	Ala	Gln	Glu	Leu	Leu	Ala	Leu	Arg	Ser
			180					185					190		

Leu	Val	Glu	Leu	Arg	Ala	Leu	Leu	Gln	Arg	Pro	Arg	Gly	Thr	Ser	Gly
		195					200					205			

Pro	Leu	Glu	Leu	Leu	Ser	Glu	Ala	Leu	Cys	Ser	Val	Arg	Gly	Pro	Ser
	210					215					220				

Ser	Thr	Val	Gly	Pro	Ser	Leu	Asn	Trp	Tyr	Glu	Ala	Ser	Asp	Leu	Met
225					230					235					240

Glu	Leu	Val	Gly	Gln	Glu	Pro	Glu	Ser	Ala	Cys	Arg	Gln	Gln	Leu	Ser
				245					250					255	

Pro	Leu	Leu	Gly	Ala	Xaa	Trp	Ser	Leu	Asp	Ser	Thr	Arg	Cys	Pro	Leu
			260					265					270		

Val Trp Asn Ala Glu Ala Xaa Ser Ser Glu Val Leu Leu Thr Asp His
275 280 285

Phe Thr Glu Val Met Xaa Xaa Glu Arg Leu Gln Ser Tyr Leu
290 295 300

<210> 909
<211> 37
<212> PRT
<213> Homo sapiens

<400> 909
Leu Pro Trp Leu Pro Phe Phe Phe Ser Cys Leu Val Ser Thr Leu Pro
1 5 10 15

Ser Met Ser Val Ser Ala Phe Ser Leu Val Val Arg Gly Arg Arg Ala
20 25 30

Phe Thr Ser Val Arg
35

<210> 910
<211> 181
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (162)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 910
Pro Lys Thr Ser Pro Ser Pro Glu Val Ser Tyr Thr Thr Pro Ala Pro
1 5 10 15

Lys Asp Val Leu Leu Pro His Lys Pro Tyr Pro Glu Val Ser Gln Ser
20 25 30

Glu Pro Ala Pro Leu Glu Thr Arg Gly Ile Pro Phe Ile Pro Met Ile
35 40 45

Ser Pro Ser Pro Ser Gln Glu Glu Leu Gln Thr Thr Leu Glu Glu Thr

50		55		60											
Asp	Gln	Ser	Thr	Gln	Glu	Pro	Phe	Thr	Thr	Lys	Ile	Pro	Arg	Thr	Xaa
65					70					75					80
Glu	Leu	Ala	Lys	Thr	Thr	Gln	Ala	Pro	His	Arg	Phe	Tyr	Thr	Thr	Val
			85						90					95	
Arg	Pro	Arg	Thr	Ser	Asp	Lys	Pro	His	Ile	Arg	Pro	Val	Leu	Asn	Arg
			100					105					110		
Thr	Thr	Thr	Arg	Pro	Thr	Arg	Pro	Lys	Pro	Ser	Gly	Met	Pro	Ser	Gly
		115					120					125			
Asn	Gly	Val	Gly	Thr	Gly	Val	Lys	Gln	Ala	Pro	Arg	Pro	Ser	Gly	Ala
130						135					140				
Asp	Arg	Asn	Val	Ser	Val	Xaa	Ser	Thr	His	Pro	Thr	Lys	Lys	Pro	Gly
145					150					155					160
Thr	Xaa	Arg	Pro	Pro	Leu	Pro	Pro	Ser	Arg	Arg	Gly	Arg	Glu	Phe	Pro
				165					170					175	
Gly	Arg	Arg	Ala	His											
			180												

<210> 911
 <211> 161
 <212> PRT
 <213> Homo sapiens

<400> 911

Met	Leu	Ser	Ser	Leu	Gly	Cys	Leu	Leu	Leu	Cys	Gly	Ser	Ile	Thr	Leu
1				5					10					15	
Ala	Leu	Gly	Asn	Ala	Gln	Lys	Leu	Pro	Lys	Gly	Lys	Arg	Pro	Asn	Leu
			20					25					30		
Lys	Val	His	Ile	Asn	Thr	Thr	Ser	Asp	Ser	Ile	Leu	Leu	Lys	Phe	Leu
		35					40					45			
Arg	Pro	Ser	Pro	Asn	Val	Lys	Leu	Glu	Gly	Leu	Leu	Leu	Gly	Tyr	Gly
	50					55					60				
Ser	Asn	Val	Ser	Pro	Asn	Gln	Tyr	Phe	Pro	Leu	Pro	Ala	Glu	Gly	Lys
65					70					75					80
Phe	Thr	Glu	Ala	Ile	Val	Asp	Ala	Glu	Pro	Lys	Tyr	Leu	Ile	Val	Val
			85						90					95	
Arg	Pro	Ala	Pro	Pro	Pro	Ser	Gln	Lys	Lys	Ser	Cys	Ser	Gly	Lys	Thr
			100					105					110		
Arg	Ser	Arg	Lys	Pro	Leu	Gln	Leu	Val	Val	Gly	Thr	Leu	Thr	Pro	Ser
	115						120					125			

Ser Val Phe Leu Ser Trp Gly Phe Leu Ile Asn Pro His His Asp Trp
130 135 140

Thr Leu Pro Ser His Cys Pro Asn Asp Arg Phe Tyr Thr Ile Arg Tyr
145 150 155 160

Arg

<210> 912
<211> 778
<212> PRT
<213> Homo sapiens

<400> 912
Met Leu Ser Ser Leu Gly Cys Leu Leu Leu Cys Gly Ser Ile Thr Leu
1 5 10 15

Ala Leu Gly Asn Ala Gln Lys Leu Pro Lys Gly Lys Arg Pro Asn Leu
20 25 30

Lys Val His Ile Asn Thr Thr Ser Asp Ser Ile Leu Leu Lys Phe Leu
35 40 45

Arg Pro Ser Pro Asn Val Lys Leu Glu Gly Leu Leu Leu Gly Tyr Gly
50 55 60

Ser Asn Val Ser Pro Asn Gln Tyr Phe Pro Leu Pro Ala Glu Gly Lys
65 70 75 80

Phe Thr Glu Ala Ile Val Asp Ala Glu Pro Lys Tyr Leu Ile Val Val
85 90 95

Arg Pro Ala Pro Pro Pro Ser Gln Lys Lys Ser Cys Ser Gly Lys Thr
100 105 110

Arg Ser Arg Lys Pro Leu Gln Leu Val Val Gly Thr Leu Thr Pro Ser
115 120 125

Ser Val Phe Leu Ser Trp Gly Phe Leu Ile Asn Pro His His Asp Trp
130 135 140

Thr Leu Pro Ser His Cys Pro Asn Asp Arg Phe Tyr Thr Ile Arg Tyr
145 150 155 160

Arg Glu Lys Asp Lys Glu Lys Lys Trp Ile Phe Gln Ile Cys Pro Ala
165 170 175

Thr Glu Thr Ile Val Glu Asn Leu Lys Pro Asn Thr Val Tyr Glu Phe
180 185 190

Gly Val Lys Asp Asn Val Glu Gly Gly Ile Trp Ser Lys Ile Phe Asn
195 200 205

His	Lys	Thr	Val	Val	Gly	Ser	Lys	Lys	Val	Asn	Gly	Lys	Ile	Gln	Ser		
210						215					220						
Thr	Tyr	Asp	Gln	Asp	His	Thr	Val	Pro	Ala	Tyr	Val	Pro	Arg	Lys	Leu		
225					230					235					240		
Ile	Pro	Ile	Thr	Ile	Ile	Lys	Gln	Val	Ile	Gln	Asn	Val	Thr	His	Lys		
				245					250					255			
Asp	Ser	Ala	Lys	Ser	Pro	Glu	Lys	Ala	Pro	Leu	Gly	Gly	Val	Ile	Leu		
			260					265					270				
Val	His	Leu	Ile	Ile	Pro	Gly	Leu	Asn	Glu	Thr	Thr	Val	Lys	Leu	Pro		
		275					280					285					
Ala	Ser	Leu	Met	Phe	Glu	Ile	Ser	Asp	Ala	Leu	Lys	Thr	Gln	Leu	Ala		
		290				295					300						
Lys	Asn	Glu	Thr	Leu	Ala	Leu	Pro	Ala	Glu	Ser	Lys	Thr	Pro	Glu	Val		
305					310					315					320		
Glu	Lys	Ile	Ser	Ala	Arg	Pro	Thr	Thr	Val	Thr	Pro	Glu	Thr	Val	Pro		
				325					330					335			
Arg	Ser	Thr	Lys	Pro	Thr	Thr	Ser	Ser	Ala	Leu	Asp	Val	Ser	Glu	Thr		
			340					345					350				
Thr	Leu	Val	Leu	Ser	Lys	Arg	Thr	Pro	Glu	Thr	Leu	Gln	Thr	Ile	Leu		
		355					360					365					
Ile	Pro	Gln	Phe	Glu	Leu	Pro	Leu	Ser	Thr	Leu	Ala	Pro	Lys	Ser	Leu		
		370				375					380						
Pro	Glu	Phe	Pro	Glu	Ala	Lys	Thr	Pro	Phe	Pro	Phe	Glu	Lys	Pro	Arg		
385					390					395					400		
Gly	Thr	Leu	Ala	Ser	Ser	Glu	Lys	Pro	Trp	Ile	Val	Pro	Thr	Ala	Lys		
				405					410					415			
Ile	Ser	Glu	Asp	Ser	Lys	Val	Leu	Gln	Pro	Gln	Thr	Ala	Thr	Tyr	Asp		
			420					425					430				
Val	Phe	Ser	Ser	Pro	Thr	Thr	Ser	Asp	Glu	Pro	Glu	Ile	Ser	Asp	Ser		
		435					440					445					
Tyr	Thr	Ala	Thr	Ser	Asp	Arg	Ile	Leu	Asp	Ser	Ile	Pro	Pro	Lys	Thr		
		450				455					460						
Ser	Arg	Thr	Leu	Glu	Gln	Pro	Arg	Ala	Thr	Leu	Ala	Pro	Ser	Glu	Thr		
465					470					475					480		
Pro	Phe	Val	Pro	Gln	Lys	Leu	Glu	Ile	Phe	Thr	Ser	Pro	Glu	Met	Gln		
				485					490					495			
Pro	Thr	Thr	Pro	Ala	Pro	Gln	Gln	Thr	Thr	Ser	Ile	Pro	Ser	Thr	Pro		
			500				505						510				

Lys Arg Arg Pro Arg Pro Lys Pro Pro Arg Thr Lys Pro Glu Arg Thr
 515 520 525
 Thr Ser Ala Gly Thr Ile Thr Pro Lys Ile Ser Lys Ser Pro Glu Pro
 530 535 540
 Thr Trp Thr Thr Pro Ala Pro Gly Lys Thr Gln Phe Ile Ser Leu Lys
 545 550 555 560
 Pro Lys Ile Pro Leu Ser Pro Glu Val Thr His Thr Lys Pro Ala Pro
 565 570 575
 Lys Gln Thr Pro Arg Ala Pro Pro Lys Pro Lys Thr Ser Pro Arg Pro
 580 585 590
 Arg Ile Pro Gln Thr Gln Pro Val Pro Lys Val Pro Gln Arg Val Thr
 595 600 605
 Ala Lys Pro Lys Thr Ser Pro Ser Pro Glu Val Ser Tyr Thr Thr Pro
 610 615 620
 Ala Pro Lys Asp Val Leu Leu Pro His Lys Pro Tyr Pro Glu Val Ser
 625 630 635 640
 Gln Ser Glu Pro Ala Pro Leu Glu Thr Arg Gly Ile Pro Phe Ile Pro
 645 650 655
 Met Ile Ser Pro Ser Pro Ser Gln Glu Glu Leu Gln Thr Thr Leu Glu
 660 665 670
 Glu Thr Asp Gln Ser Thr Gln Glu Pro Phe Thr Thr Lys Ile Pro Arg
 675 680 685
 Thr Thr Glu Leu Ala Lys Thr Thr Gln Ala Pro His Arg Phe Tyr Thr
 690 695 700
 Thr Val Arg Pro Arg Thr Ser Asp Lys Pro His Ile Arg Pro Val Leu
 705 710 715 720
 Asn Arg Thr Thr Thr Arg Pro Thr Arg Pro Lys Pro Ser Gly Met Pro
 725 730 735
 Ser Gly Asn Gly Val Gly Thr Gly Val Lys Gln Ala Pro Arg Pro Ser
 740 745 750
 Gly Ala Asp Arg Asn Val Ser Val Asp Ser Thr His Pro Thr Lys Lys
 755 760 765
 Pro Gly Thr Arg Arg Pro Pro Leu Pro Pro
 770 775

<210> 913
 <211> 132
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 913

Ser Phe Arg Thr Ala Pro Arg Gly Pro His Val Lys Glu Ser His Ala
1 5 10 15

Ser Gly Leu Leu Ser Asn Gln Ile Asn Leu Gln Ser Phe Asp Phe Lys
20 25 30

Arg Met Leu Leu Cys Arg Leu Asn Ile Thr Gly Leu Cys Trp Gly Pro
35 40 45

Lys Arg Thr Arg Cys Ala Leu Gly Gly Gln Thr Gly Leu Gln His His
50 55 60

Pro Ser Asn Glu Lys Xaa Arg His Ser Gly Lys Glu Asp Leu Phe Leu
65 70 75 80

Ser Ile Cys Leu Gly Trp Gly Thr Thr Val Asn Met Ala Cys Asn Asn
85 90 95

Gln Arg Gly Arg Gly Tyr Gln Thr Gln Arg Asn Ser Ser Pro Val Tyr
100 105 110

Gln Glu Glu Leu Leu Phe Phe Cys Thr Ser Leu Phe Ser Arg Leu Phe
115 120 125

Ser Leu Lys Gly
130

<210> 914

<211> 33

<212> PRT

<213> Homo sapiens

<400> 914

Met Asn His Leu Ser Ile Ser Ile Ala Leu Phe Leu Leu Cys Cys Val
1 5 10 15

His Leu Ser Leu Gly Leu Ser Val Phe Pro Phe Gln Glu Asp Arg Ser
20 25 30

Val

<210> 915

<211> 102

<212> PRT

<213> Homo sapiens

<400> 915

Met	Asn	Tyr	Leu	His	Cys	Asn	Val	Leu	Leu	Thr	Leu	Phe	Cys	Leu	Leu	
1				5				10						15		
Phe	Leu	Leu	His	Ser	Cys	Ile	Lys	Ile	Ile	Lys	His	His	Ser	Gln	Ala	
			20					25					30			
Lys	Arg	Thr	Arg	Phe	Pro	Ser	His	Ile	Ser	His	Lys	Gly	Glu	Ala	Asn	
		35					40					45				
Thr	His	Gln	Gly	Gly	Asn	Tyr	Thr	Glu	Leu	Gly	Trp	Gly	Leu	Asp	Ile	
	50					55					60					
Tyr	Phe	Thr	Ser	Glu	Leu	Phe	Ile	Ser	Ala	Val	Asn	Leu	Gly	Glu	Gly	
65					70					75					80	
Leu	Gly	Glu	Val	Leu	Ser	Gly	Glu	Gln	Arg	Gly	Pro	Gly	Gly	Lys	Leu	
				85					90					95		
Met	Lys	Thr	Ser	Asp	Asp											
			100													

<210> 916

<211> 85

<212> PRT

<213> Homo sapiens

<400> 916

Ile	Lys	Thr	Val	Phe	Leu	Gly	Gln	Arg	Tyr	Thr	Asp	Pro	Asn	Phe	Ile	
1				5					10					15		
Ala	Val	Val	Phe	Ile	His	Leu	Pro	Ile	Asp	Ile	Leu	Lys	Ala	Pro	Ala	
			20					25					30			
Arg	Pro	Gly	Thr	Val	Ala	His	Ala	Cys	Asn	Leu	Ser	Thr	Leu	Val	Gly	
		35					40					45				
Arg	Gly	Gly	Arg	Ile	Thr	Arg	Ser	Arg	Asp	Gln	Asp	His	Pro	Gly	Gln	
	50					55					60					
Arg	Gly	Glu	Thr	Leu	Ser	Leu	Leu	Lys	Ile	Gln	Lys	Leu	Ala	Gly	His	
65					70					75					80	
Gly	Gly	Ala	Arg	Leu												
				85												

<210> 917

<211> 33

<212> PRT

<213> Homo sapiens

<400> 917

Met Ile Ser Cys Leu Cys Asn Phe Ile Ala His Cys Val Ala Leu Val
1 5 10 15

Met Arg Thr Cys Met Leu Val Val Ser Ser Asn Phe Ala Pro Ser Phe
20 25 30

Leu

<210> 918
<211> 33
<212> PRT
<213> Homo sapiens

<400> 918
Met Ile Ser Cys Leu Cys Asn Phe Ile Ala His Cys Val Ala Leu Val
1 5 10 15

Met Arg Thr Cys Met Leu Val Val Ser Ser Asn Phe Ala Pro Ser Phe
20 25 30

Leu

<210> 919
<211> 101
<212> PRT
<213> Homo sapiens

<400> 919
Val Asp Pro Arg Val Arg Thr Ser Ser Arg Ser Arg Ala Ala Ala Leu
1 5 10 15

Phe Glu Cys Phe Leu Met Val Phe Leu Leu Lys Cys Gln Val Asn Asn
20 25 30

Phe Asn Pro Ile Gln Gln Tyr Ser Leu Phe Pro Leu Lys Ser Ser Gly
35 40 45

Thr Cys Ser Ile Ser Leu Phe Cys Met Arg Gly Leu Tyr Phe Cys Leu
50 55 60

Gly Val Val Ile Cys Thr His Ala Ile Leu Leu Lys Pro Ser Cys Leu
65 70 75 80

Val Leu Phe Leu Glu Ser Phe Phe Phe Pro Val Leu Met Tyr Ala Gly
85 90 95

Phe Gly Asn Ser Ser
100

<210> 920
<211> 60
<212> PRT
<213> Homo sapiens

<400> 920
Met Arg Lys Trp Gly Leu Met Lys Leu Ile Ala Ser Met Met Gln Pro
1 5 10 15
Val Leu Leu Glu Leu Leu Ser Val Trp Arg Lys Glu Gly Arg Asp Ser
20 25 30
Arg Asn Ile His Asp Ser His Ser Met Tyr Val Leu Arg Lys Arg Leu
35 40 45
Ser Gly Ser Trp Leu Gln Gln Val Cys Thr Leu Leu
50 55 60

<210> 921
<211> 79
<212> PRT
<213> Homo sapiens

<400> 921
Met Arg Lys Trp Gly Leu Met Lys Leu Ile Ala Ser Met Met Gln Pro
1 5 10 15
Val Leu Leu Glu Leu Leu Ser Val Trp Arg Lys Glu Gly Arg Asp Ser
20 25 30
Arg Asn Ile His Asp Ser His Ser Met Tyr Val Leu Arg Lys Arg Leu
35 40 45
Ser Gly Ser Trp Leu Gln Ala Gly Leu Tyr Ser Thr Val Ile Ser Ala
50 55 60
Ala Leu Ile Leu Glu Ser Pro Arg Ala Cys Leu Pro Ser Lys Gly
65 70 75

<210> 922
<211> 245
<212> PRT
<213> Homo sapiens

<400> 922
Met Ala Asp Val Ser Ala Lys Asp Ser Ser Gln Glu Thr Leu Val Asn
1 5 10 15
Leu Ala Gly Leu Leu Val Ser Leu Leu Met Leu Pro Leu Val Ser Gly
20 25 30
Cys Pro Gly Phe Ser Leu Gly Cys Phe Phe Phe Leu Thr Ala Leu His
35 40 45

Ile	Tyr	Ala	Asn	Tyr	Arg	Ala	Val	Arg	Ala	Leu	Val	Met	Glu	Thr	Leu
50						55					60				
Asn	Glu	Gly	Arg	Leu	Arg	Leu	Val	Leu	Lys	His	Tyr	Leu	Gln	Arg	Gly
65					70					75					80
Glu	Val	Leu	Asp	Pro	Thr	Ala	Ala	Asn	Arg	Met	Glu	Pro	Leu	Trp	Thr
				85					90					95	
Gly	Phe	Trp	Pro	Ala	Pro	Ser	Leu	Ser	Leu	Gly	Val	Pro	Leu	His	Arg
			100					105					110		
Leu	Val	Ser	Ser	Val	Phe	Glu	Leu	Gln	Gln	Leu	Val	Glu	Gly	His	Gln
		115					120					125			
Glu	Ser	Tyr	Leu	Leu	Cys	Trp	Asp	Gln	Ser	Gln	Asn	Gln	Val	Gln	Val
	130					135					140				
Val	Leu	Asn	Gln	Lys	Ala	Gly	Pro	Lys	Thr	Ile	Leu	Arg	Ala	Ala	Thr
145					150					155					160
His	Gly	Leu	Met	Leu	Gly	Ala	Leu	Gln	Gly	Asp	Gly	Pro	Leu	Pro	Ala
			165						170					175	
Glu	Leu	Glu	Glu	Leu	Arg	Asn	Arg	Val	Arg	Ala	Gly	Pro	Lys	Lys	Glu
			180					185					190		
Ser	Trp	Val	Val	Val	Lys	Glu	Thr	His	Glu	Val	Leu	Asp	Met	Leu	Phe
		195					200					205			
Pro	Lys	Phe	Leu	Lys	Gly	Leu	Gln	Asp	Ala	Gly	Trp	Lys	Thr	Glu	Lys
	210					215					220				
His	Gln	Leu	Glu	Val	Asp	Glu	Trp	Arg	Ala	Thr	Trp	Leu	Leu	Ser	Pro
225					230					235					240
Glu	Lys	Lys	Val	Leu											
				245											

<210> 923
 <211> 75
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 923

Leu	Pro	Val	Gln	Asn	Gly	Cys	Pro	Glu	Ser	Ala	Met	Glu	Met	Asn	Gly
1				5					10					15	
Arg	Ala	Pro	Cys	Trp	Glu	Val	Gly	Leu	Glu	Glu	Leu	Ser	Ser	Arg	Lys
			20					25					30		
Leu	Thr	Ala	Gly	Pro	Gln	Phe	Pro	Ser	Glu	Pro	Gln	Ala	Pro	Ala	Pro
		35					40					45			
Ser	Leu	Phe	Arg	Gln	Cys	Leu	Leu	Trp	Phe	Cys	Gly	Met	Xaa	Xaa	Gly
	50					55					60				
Gly	Val	Gly	Ser	Pro	Pro	Pro	Leu	Thr	Gln	Glu					
65					70					75					

<210> 924

<211> 186

<212> PRT

<213> Homo sapiens

<400> 924

Met	Leu	Pro	Leu	Val	Ser	Gly	Cys	Pro	Gly	Phe	Ser	Leu	Gly	Cys	Phe
1				5					10					15	
Phe	Phe	Leu	Thr	Ala	Leu	His	Ile	Tyr	Ala	Asn	Tyr	Arg	Ala	Val	Arg
			20					25					30		
Ala	Leu	Val	Met	Glu	Thr	Leu	Asn	Glu	Gly	Arg	Leu	Arg	Leu	Val	Leu
		35					40					45			
Lys	His	Tyr	Leu	Gln	Arg	Gly	Glu	Val	Leu	Asp	Pro	Thr	Ala	Ala	Asn
	50					55					60				
Arg	Met	Glu	Pro	Leu	Trp	Thr	Gly	Phe	Trp	Pro	Ala	Pro	Ser	Leu	Ser
65					70					75					80
Leu	Gly	Val	Pro	Leu	His	Arg	Leu	Val	Ser	Ser	Val	Phe	Glu	Leu	Gln
				85					90					95	
Gln	Leu	Val	Glu	Gly	His	Gln	Glu	Ser	Tyr	Leu	Leu	Cys	Trp	Asp	Gln
		100						105					110		
Ser	Gln	Asn	Gln	Val	Gln	Val	Val	Leu	Asn	Gln	Lys	Ala	Gly	Pro	Lys
		115						120					125		
Thr	Ile	Leu	Arg	Ala	Ala	Thr	His	Gly	Leu	Met	Leu	Gly	Ala	Leu	Gln
	130					135					140				
Gly	Asp	Gly	Pro	Leu	Pro	Ala	Glu	Leu	Glu	Glu	Leu	Arg	Asn	Arg	Val
145					150					155					160
Arg	Ala	Gly	Pro	Arg	Lys	Arg	Ala	Gly	Ser	Ser	Ser	Arg	Arg	His	Thr
				165					170					175	

Lys Cys Trp Thr Cys Cys Ser Gln Ser Ser
180 185

<210> 925
<211> 40
<212> PRT
<213> Homo sapiens

<400> 925
Met Arg Arg Gln Thr Phe Met Ser Ile Leu Val Phe Gln Cys Ser Pro
1 5 10 15
Ile Ser Phe Gly Leu Cys Ile Asn Lys Glu Arg Thr Val Val Ser Ser
20 25 30
Val Ile Thr Asp Asn Leu Cys Leu
35 40

<210> 926
<211> 40
<212> PRT
<213> Homo sapiens

<400> 926
Met Arg Arg Gln Thr Phe Met Ser Ile Leu Val Phe Gln Cys Ser Pro
1 5 10 15
Ile Ser Phe Gly Leu Cys Ile Asn Lys Glu Arg Thr Val Val Ser Ser
20 25 30
Val Ile Thr Asp Asn Leu Cys Leu
35 40

<210> 927
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 927
Ser Leu Leu Leu Ser Cys Cys Pro Leu Gly Asn Arg Ala Tyr Gly Ala
1 5 10 15
Thr Gly Ala Glu Val Ala Ser Arg Ala Ser Leu Glu Gly Ser Glu His
20 25 30
Ser Met Gln Arg Ser His Arg Glu Ala Gly Asn Gln Gly Pro Gly Arg

35 40 45
Ala Ala Ser Cys Ala Ser Pro Ala Phe Val Met Xaa Phe Ser Phe Phe
50 55 60

Thr His Cys Gln Ile Cys Phe Leu Pro
65 70

<210> 928
<211> 7
<212> PRT
<213> Homo sapiens

<400> 928
Glu Ala Pro Trp Gln Phe Ser
1 5

<210> 929
<211> 23
<212> PRT
<213> Homo sapiens

<400> 929
Met Phe Leu Lys Ala Gln Trp Leu Tyr Ser Leu Leu Leu Asn Cys Leu
1 5 10 15

Leu Pro Glu Gly Thr Ser Ser
20

<210> 930
<211> 23
<212> PRT
<213> Homo sapiens

<400> 930
Met Phe Leu Lys Ala Gln Trp Leu Tyr Ser Leu Leu Leu Asn Cys Leu
1 5 10 15

Leu Pro Glu Gly Thr Ser Ser
20

<210> 931
<211> 64
<212> PRT
<213> Homo sapiens

<400> 931
Arg Thr Leu Arg Met Ser Pro Ser Ala Phe Cys Tyr Ser Leu Thr Leu
1 5 10 15

Leu	Ala	Cys	Trp	Arg	Ala	Ala	Trp	Ile	Pro	Thr	Cys	Val	Pro	Arg	Ala
			20					25					30		
Ala	Gly	Glu	Met	Asp	Ser	Pro	Gly	Leu	Ala	Asp	Gly	His	Trp	Cys	Ser
		35					40					45			
Gly	Ala	Ala	Arg	Arg	Ser	Pro	His	Tyr	Val	Ala	Arg	Ser	Leu	Val	Leu
	50					55					60				

<210> 932
 <211> 822
 <212> PRT
 <213> Homo sapiens

Met	Ala	Ala	Ala	Val	Val	Val	Ala	Glu	Gly	Asp	Ser	Asp	Ser	Arg	Pro
1				5				10						15	
Gly	Gln	Glu	Leu	Leu	Val	Ala	Trp	Asn	Thr	Val	Ser	Thr	Gly	Leu	Val
			20					25					30		
Pro	Pro	Ala	Ala	Leu	Gly	Leu	Val	Ser	Ser	Arg	Thr	Ser	Gly	Ala	Val
		35					40					45			
Pro	Pro	Lys	Glu	Glu	Glu	Leu	Arg	Ala	Ala	Val	Glu	Val	Leu	Arg	Gly
		50				55					60				
His	Gly	Leu	His	Ser	Val	Leu	Glu	Glu	Trp	Phe	Val	Glu	Val	Leu	Gln
65					70					75					80
Asn	Asp	Leu	Gln	Ala	Asn	Ile	Ser	Pro	Glu	Phe	Trp	Asn	Ala	Ile	Ser
				85					90					95	
Gln	Cys	Glu	Asn	Ser	Ala	Asp	Glu	Pro	Gln	Cys	Leu	Leu	Leu	Leu	Leu
			100					105					110		
Asp	Ala	Phe	Gly	Leu	Leu	Glu	Ser	Arg	Leu	Asp	Pro	Tyr	Leu	Arg	Ser
		115					120					125			
Leu	Glu	Leu	Leu	Glu	Lys	Trp	Thr	Arg	Leu	Gly	Leu	Leu	Met	Gly	Thr
		130				135						140			
Gly	Ala	Gln	Gly	Leu	Arg	Glu	Glu	Val	His	Thr	Met	Leu	Arg	Gly	Val
145					150					155					160
Leu	Phe	Phe	Ser	Thr	Pro	Arg	Thr	Phe	Gln	Glu	Met	Ile	Gln	Arg	Leu
				165					170					175	
Tyr	Gly	Cys	Phe	Leu	Arg	Val	Tyr	Met	Gln	Ser	Lys	Arg	Lys	Gly	Glu
			180					185					190		

Gly	Gly	Thr	Asp	Pro	Glu	Leu	Glu	Gly	Glu	Leu	Asp	Ser	Arg	Tyr	Ala		
		195					200					205					
Arg	Arg	Arg	Tyr	Tyr	Arg	Leu	Leu	Gln	Ser	Pro	Leu	Cys	Ala	Gly	Cys		
		210				215					220						
Ser	Ser	Asp	Lys	Gln	Gln	Cys	Trp	Cys	Arg	Gln	Ala	Leu	Glu	Gln	Phe		
225					230					235					240		
His	Gln	Leu	Ser	Gln	Val	Leu	His	Arg	Leu	Ser	Leu	Leu	Glu	Arg	Val		
				245					250					255			
Ser	Ala	Glu	Ala	Val	Thr	Thr	Thr	Leu	His	Gln	Val	Thr	Arg	Glu	Arg		
			260					265					270				
Met	Glu	Asp	Arg	Cys	Arg	Gly	Glu	Tyr	Glu	Arg	Ser	Phe	Leu	Arg	Glu		
		275					280					285					
Phe	His	Lys	Trp	Ile	Glu	Arg	Val	Val	Gly	Trp	Leu	Gly	Lys	Val	Phe		
	290					295					300						
Leu	Gln	Asp	Gly	Pro	Ala	Arg	Pro	Ala	Ser	Pro	Glu	Ala	Gly	Asn	Thr		
305					310					315					320		
Leu	Arg	Arg	Trp	Arg	Cys	His	Val	Gln	Arg	Phe	Phe	Tyr	Arg	Ile	Tyr		
				325					330					335			
Ala	Ser	Leu	Arg	Ile	Glu	Glu	Leu	Phe	Ser	Ile	Val	Arg	Asp	Phe	Pro		
			340					345					350				
Asp	Ser	Arg	Pro	Ala	Ile	Glu	Asp	Leu	Lys	Tyr	Cys	Leu	Glu	Arg	Thr		
		355					360					365					
Asp	Gln	Arg	Gln	Gln	Leu	Leu	Val	Ser	Leu	Lys	Ala	Ala	Leu	Glu	Thr		
	370					375					380						
Arg	Leu	Leu	His	Pro	Gly	Val	Asn	Thr	Cys	Asp	Ile	Ile	Thr	Leu	Tyr		
385					390					395					400		
Ile	Ser	Ala	Ile	Lys	Ala	Leu	Arg	Val	Leu	Asp	Pro	Ser	Met	Val	Ile		
				405					410					415			
Leu	Glu	Val	Ala	Cys	Glu	Pro	Ile	Arg	Arg	Tyr	Leu	Arg	Thr	Arg	Glu		
			420					425					430				
Asp	Thr	Val	Arg	Gln	Ile	Val	Ala	Gly	Leu	Thr	Gly	Asp	Ser	Asp	Gly		
		435					440					445					
Thr	Gly	Asp	Leu	Ala	Val	Glu	Leu	Ser	Lys	Thr	Asp	Pro	Ala	Ser	Leu		
	450					455					460						
Glu	Thr	Gly	Gln	Asp	Ser	Glu	Asp	Asp	Ser	Gly	Glu	Pro	Glu	Asp	Trp		
465					470					475					480		
Val	Pro	Asp	Pro	Val	Asp	Ala	Asp	Pro	Gly	Lys	Ser	Ser	Ser	Lys	Arg		
				485					490					495			

Arg	Ser	Ser	Asp	Ile	Ile	Ser	Leu	Leu	Val	Ser	Ile	Tyr	Gly	Ser	Lys	500	505	510
Asp	Leu	Phe	Ile	Asn	Glu	Tyr	Arg	Ser	Leu	Leu	Ala	Asp	Arg	Leu	Leu	515	520	525
His	Gln	Phe	Ser	Phe	Ser	Pro	Glu	Arg	Glu	Ile	Arg	Asn	Val	Glu	Leu	530	535	540
Leu	Lys	Leu	Arg	Phe	Gly	Glu	Ala	Pro	Met	His	Phe	Cys	Glu	Val	Met	545	550	555
Leu	Lys	Asp	Met	Ala	Asp	Ser	Arg	Arg	Ile	Asn	Ala	Asn	Ile	Arg	Glu	565	570	575
Glu	Asp	Glu	Lys	Arg	Pro	Ala	Glu	Glu	Gln	Pro	Pro	Phe	Gly	Val	Tyr	580	585	590
Ala	Val	Ile	Leu	Ser	Ser	Glu	Phe	Trp	Pro	Pro	Phe	Lys	Asp	Glu	Lys	595	600	605
Leu	Glu	Val	Pro	Glu	Asp	Ile	Arg	Ala	Ala	Leu	Glu	Ala	Tyr	Cys	Lys	610	615	620
Lys	Tyr	Glu	Gln	Leu	Lys	Ala	Met	Arg	Thr	Leu	Ser	Trp	Lys	His	Thr	625	630	635
Leu	Gly	Leu	Val	Thr	Met	Asp	Val	Glu	Leu	Ala	Asp	Arg	Thr	Leu	Ser	645	650	655
Val	Ala	Val	Thr	Pro	Val	Gln	Ala	Val	Ile	Leu	Leu	Tyr	Phe	Gln	Asp	660	665	670
Gln	Ala	Ser	Trp	Thr	Leu	Glu	Glu	Leu	Ser	Lys	Ala	Val	Lys	Met	Pro	675	680	685
Val	Ala	Leu	Leu	Arg	Arg	Arg	Met	Ser	Val	Trp	Leu	Gln	Gln	Gly	Val	690	695	700
Leu	Arg	Glu	Glu	Pro	Pro	Gly	Thr	Phe	Ser	Val	Ile	Glu	Glu	Glu	Arg	705	710	715
Pro	Gln	Asp	Arg	Asp	Asn	Met	Val	Leu	Ile	Asp	Ser	Asp	Asp	Glu	Ser	725	730	735
Asp	Ser	Gly	Met	Ala	Ser	Gln	Ala	Asp	Gln	Lys	Glu	Glu	Glu	Leu	Leu	740	745	750
Leu	Phe	Trp	Thr	Tyr	Ile	Gln	Ala	Met	Leu	Thr	Asn	Leu	Glu	Ser	Leu	755	760	765
Ser	Leu	Asp	Arg	Ile	Tyr	Asn	Met	Leu	Arg	Met	Phe	Val	Val	Thr	Gly	770	775	780
Pro	Ala	Leu	Ala	Glu	Ile	Asp	Leu	Gln	Glu	Leu	Gln	Gly	Tyr	Leu	Gln	785	790	795

Lys Lys Val Arg Asp Gln Gln Leu Val Tyr Ser Ala Gly Val Tyr Arg
805 810 815

Leu Pro Lys Asn Cys Ser
820

<210> 933
<211> 157
<212> PRT
<213> Homo sapiens

<400> 933
Met Ser Pro Trp Leu Leu Leu Leu Leu Val Val Gly Ser Trp Leu Leu
1 5 10 15

Ala Arg Ile Leu Ala Trp Thr Tyr Ala Phe Tyr Asn Asn Cys Arg Arg
20 25 30

Leu Gln Cys Phe Pro Gln Pro Pro Lys Arg Asn Trp Phe Trp Gly His
35 40 45

Leu Gly Leu Ile Thr Pro Thr Glu Glu Gly Leu Lys Asp Ser Thr Gln
50 55 60

Met Ser Ala Thr Tyr Ser Gln Gly Phe Thr Val Trp Leu Gly Pro Ile
65 70 75 80

Ile Pro Phe Ile Val Leu Cys His Pro Asp Thr Ile Arg Ser Ile Thr
85 90 95

Asn Ala Ser Ala Ala Ile Ala Pro Lys Asp Asn Leu Phe Ile Arg Phe
100 105 110

Leu Lys Pro Trp Leu Gly Glu Tyr Leu Gln Val Lys Gly Val Gly Asp
115 120 125

Asn Leu Ala Gly Arg Val Gly Glu Val Leu Leu Leu Pro Ile Val Leu
130 135 140

Gly Cys Pro Thr Arg Arg Arg Asp Thr Ala Glu Trp Arg
145 150 155

<210> 934
<211> 13
<212> PRT
<213> Homo sapiens

<400> 934
Leu Val Ile Gly Gly Trp Gly Gln Arg Arg Leu Tyr Arg
1 5 10

<210> 935
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 935
Met Ser Pro Trp Leu Leu Leu Leu Leu Val Val Gly Ser Trp Leu Leu
1 5 10 15
Ala Arg Ile Leu Ala Trp Thr Tyr Ala Phe Tyr Asn Asn Cys Arg Arg
20 25 30
Leu Gln Cys Phe Pro Gln Pro Pro Lys Arg Asn Trp Phe Trp Gly His
35 40 45
Leu Gly Leu Ile Thr Pro Thr Glu Glu Gly Leu Lys Asp Ser Thr Gln
50 55 60
Met Ser Ala Thr Tyr Ser Gln Gly Phe Thr Val Trp Leu Gly Pro Ile
65 70 75 80
Ile Pro Phe Ile Val Leu Cys His Pro Asp Thr Ile Arg Ser Ile Thr
85 90 95
Asn Ala Ser Ala Ala Ile Ala Pro Lys Asp Asn Leu Phe Ile Arg Phe
100 105 110
Leu Lys Pro Trp Leu Gly Xaa Arg Asp Thr Ala Glu Trp Arg
115 120 125

<210> 936
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 936

Gln Asn Thr Ile Glu Cys Gly Ser Ser Thr Ala Gly Val Cys Cys Ser
1 5 10 15

Gln Leu Trp Arg Leu Xaa Val Gln Xaa Xaa Gly Thr Gly Arg Leu His
20 25 30

Val Trp Trp Gly Pro Ala Ser Trp Ser Ile Ala Ser Thr Phe Ser Leu
35 40 45

His Pro Tyr Val Val Glu Glu Ala Gly Glu Leu Ser Gly Val Ser Phe
50 55 60

Val Thr Pro Phe Leu Arg Leu Val His Ser His Asp Leu Ile Thr Ser
65 70 75 80

Gln Arg Pro Cys Leu Leu Thr Pro Leu Pro
85 90

<210> 937

<211> 58

<212> PRT

<213> Homo sapiens

<400> 937

Met Lys Leu Thr Phe Ser Phe Pro Trp Phe Thr Leu Thr Ala Leu Gln
1 5 10 15

Leu Trp Ser Ala Thr Glu Cys Gln Ala Val Val Asp Thr Met Ile Ala
20 25 30

Val Trp Ser Glu Gly Lys Gly Thr Gly Val Ser Trp Glu Pro Trp Leu
35 40 45

Leu Gly Lys Leu Gln Ser Ser Ser Phe Leu
50 55

<210> 938

<211> 34

<212> PRT

<213> Homo sapiens

<400> 938

Leu Cys Val Ser His Pro Gly Ile Thr Cys Thr Pro Leu Trp Leu Cys
1 5 10 15

Val Ile Ser Gln Asn Met Glu Leu Ile Leu Met Phe Arg Arg Pro Lys
20 25 30

Leu Thr

<210> 939
<211> 6
<212> PRT
<213> Homo sapiens

<400> 939
Thr Leu Thr Ala Lys Thr
1 5

<210> 940
<211> 58
<212> PRT
<213> Homo sapiens

<400> 940
Met Lys Leu Thr Phe Ser Phe Pro Trp Phe Thr Leu Thr Ala Leu Gln
1 5 10 15
Leu Trp Ser Ala Thr Glu Cys Gln Ala Val Val Asp Thr Met Ile Ala
20 25 30
Val Trp Ser Glu Gly Lys Gly Thr Gly Val Ser Trp Glu Pro Trp Leu
35 40 45
Leu Gly Lys Leu Gln Ser Ser Ser Phe Leu
50 55

<210> 941
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 941
Leu Lys Xaa Ile Thr Ile Cys Cys Leu Gln Lys Thr His Leu His Ser
1 5 10 15
Lys Gly Thr Glu Arg Met Lys Val Lys Gly Trp Glu Arg Val Tyr Trp
20 25 30
Gly Asn Ile Thr Glu Gly Asn Met Met Asn Leu Tyr
35 40

<210> 942
<211> 9
<212> PRT

<213> Homo sapiens

<400> 942

Leu Gly Ala Phe Ser Trp Ser Pro Lys
1 5

<210> 943

<211> 96

<212> PRT

<213> Homo sapiens

<400> 943

Met Ala Arg Ser Leu Leu Ile Ile Leu Gly Ala Asp Phe Thr Phe Pro
1 5 10 15

Thr Ser Phe Asn Cys Phe Gln Lys Met Asn Leu Ala Lys Lys Ser Arg
20 25 30

Gly Ser Phe Thr His Leu Leu Thr His Ser Trp Cys Leu Ser Leu Phe
35 40 45

Leu Lys Glu Ala Asp Gln Gly Leu Arg Glu Asn Asn Phe Asp Phe Ser
50 55 60

His Val Cys Pro Ser Lys Pro Pro Leu Trp Thr Asp Ser Pro Ser Val
65 70 75 80

Pro Gly Arg Asn Trp Asp Asn Pro Arg Thr Phe Leu Val Pro Ser Arg
85 90 95

<210> 944

<211> 96

<212> PRT

<213> Homo sapiens

<400> 944

Met Ala Arg Ser Leu Leu Ile Ile Leu Gly Ala Asp Phe Thr Phe Pro
1 5 10 15

Thr Ser Phe Asn Cys Phe Gln Lys Met Asn Leu Ala Lys Lys Ser Arg
20 25 30

Gly Ser Phe Thr His Leu Leu Thr His Ser Trp Cys Leu Ser Leu Phe
35 40 45

Leu Lys Glu Ala Asp Gln Gly Leu Arg Glu Asn Asn Phe Asp Phe Ser
50 55 60

His Val Cys Pro Ser Lys Pro Pro Leu Trp Thr Asp Ser Pro Ser Val
65 70 75 80

Pro	Gly	Arg	Asn	Trp	Asp	Asn	Pro	Arg	Thr	Phe	Leu	Val	Pro	Ser	Arg
				85					90					95	

<210> 945
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

Met	Leu	Xaa	Phe	Xaa	Phe	Phe	Leu	Leu	Phe	Phe	Phe	Phe	Phe	Trp	Trp
1				5					10					15	

Cys	Cys	Leu	Ala	Phe	Phe	Ser	Phe	Pro	Phe
			20					25	

<210> 946
 <211> 77
 <212> PRT
 <213> Homo sapiens

Met	Leu	Leu	Phe	Phe	Phe	Phe	Leu	Leu	Phe	Phe	Phe	Phe	Phe	Phe	Trp
1				5					10					15	

Leu	Val	Leu	Phe	Gly	Ile	Phe	Phe	Phe	Ser	Phe	Leu	Lys	Lys	Met	Phe
			20					25					30		

Ser	Gly	Asn	Met	Asn	Lys	His	Thr	Ala	Asn	Tyr	Ser	Gly	Ala	Gly	Lys
		35					40					45			

Ala	Gln	Glu	Leu	Ala	Thr	Ser	Gln	Leu	His	Ser	Trp	Asp	Gly	Lys	Pro
	50					55					60				

Cys	Cys	Glu	Leu	Leu	Arg	Leu	Phe	Thr	Tyr	Phe	Thr	Tyr
65					70					75		

<210> 947

<211> 77
<212> PRT
<213> Homo sapiens

<400> 947
Met Leu Leu Phe Phe Phe Phe Leu Leu Phe Phe Phe Phe Phe Phe Trp
1 5 10 15
Leu Val Leu Phe Gly Ile Phe Phe Phe Ser Phe Leu Lys Lys Met Phe
20 25 30
Ser Gly Asn Met Asn Lys His Thr Ala Asn Tyr Ser Gly Ala Gly Lys
35 40 45
Ala Gln Glu Leu Ala Thr Ser Gln Leu His Ser Trp Asp Gly Lys Pro
50 55 60
Cys Cys Glu Leu Leu Arg Leu Phe Thr Tyr Phe Thr Tyr
65 70 75

<210> 948
<211> 11
<212> PRT
<213> Homo sapiens

<400> 948
Met Trp Arg Trp Leu Ser Ser Phe Trp Leu Leu
1 5 10

<210> 949
<211> 11
<212> PRT
<213> Homo sapiens

<400> 949
Met Trp Arg Trp Leu Ser Ser Phe Trp Leu Leu
1 5 10

<210> 950
<211> 378
<212> PRT
<213> Homo sapiens

<400> 950
Ala Arg Glu Lys Pro Tyr Leu Val Glu Glu Ala Val Ser Tyr Asn Glu
1 5 10 15
Leu Asp Tyr Val Ser Val Gly Leu Asp Gln Gln Thr Val Lys Leu Val
20 25 30
Cys Thr Asn Arg Arg Lys Gln Phe Leu Leu Asp Thr Ala Asp Val Ala

35					40					45					
Leu	Ala	Glu	Phe	Phe	Leu	Ala	Ser	Leu	Lys	Ser	Ala	Met	Ile	Lys	Gly
	50					55					60				
Cys	Arg	Glu	Pro	Pro	Tyr	Pro	Ser	Ile	Leu	Thr	Asp	Ala	Thr	Met	Glu
65					70					75					80
Lys	Leu	Ala	Leu	Ala	Lys	Phe	Val	Ala	Gln	Glu	Ser	Lys	Cys	Glu	Ala
				85					90					95	
Ser	Ala	Val	Thr	Val	Arg	Phe	Tyr	Gly	Leu	Val	His	Trp	Glu	Asp	Pro
			100					105					110		
Thr	Asp	Glu	Ser	Leu	Gly	Pro	Thr	Pro	Cys	His	Cys	Ser	Pro	Pro	Glu
		115					120					125			
Gly	Thr	Ile	Thr	Lys	Glu	Gly	Met	Leu	His	Tyr	Lys	Ala	Gly	Thr	Ser
	130					135					140				
Tyr	Leu	Gly	Lys	Glu	His	Trp	Lys	Thr	Cys	Phe	Val	Val	Leu	Ser	Asn
145					150					155					160
Gly	Ile	Leu	Tyr	Gln	Tyr	Pro	Asp	Arg	Thr	Asp	Val	Ile	Pro	Leu	Leu
				165					170					175	
Ser	Val	Asn	Met	Gly	Gly	Glu	Gln	Cys	Gly	Gly	Cys	Arg	Arg	Ala	Asn
			180					185					190		
Thr	Thr	Asp	Arg	Pro	His	Ala	Phe	Gln	Val	Ile	Leu	Ser	Asp	Arg	Pro
		195					200					205			
Cys	Leu	Glu	Leu	Ser	Ala	Glu	Ser	Glu	Ala	Glu	Met	Ala	Glu	Trp	Met
	210					215					220				
Gln	His	Leu	Cys	Gln	Ala	Val	Ser	Lys	Gly	Val	Ile	Pro	Gln	Gly	Val
225					230					235					240
Ala	Pro	Ser	Pro	Cys	Ile	Pro	Cys	Cys	Leu	Val	Leu	Thr	Asp	Asp	Arg
				245					250					255	
Leu	Phe	Thr	Cys	His	Glu	Asp	Cys	Gln	Thr	Ser	Phe	Phe	Arg	Ser	Leu
			260					265					270		
Gly	Thr	Ala	Lys	Leu	Gly	Asp	Ile	Ser	Ala	Val	Ser	Thr	Glu	Pro	Gly
		275					280					285			
Lys	Glu	Tyr	Cys	Val	Leu	Glu	Phe	Ser	Gln	Asp	Ser	Gln	Gln	Leu	Leu
	290					295					300				
Pro	Pro	Trp	Val	Ile	Tyr	Leu	Ser	Cys	Thr	Ser	Glu	Leu	Asp	Arg	Leu
305					310					315					320
Leu	Ser	Ala	Leu	Asn	Ser	Gly	Trp	Lys	Thr	Ile	Tyr	Gln	Val	Asp	Leu
				325					330					335	
Pro	His	Thr	Ala	Ile	Gln	Glu	Ala	Ser	Asn	Lys	Lys	Lys	Phe	Glu	Asp

	340		345		350										
Ala	Leu	Ser	Leu	Ile	His	Ser	Ala	Trp	Gln	Arg	Ser	Asp	Ser	Leu	Cys
	355						360					365			
Arg	Gly	Arg	Ala	Ser	Arg	Asp	Pro	Trp	Cys						
	370					375									

<210> 951
 <211> 134
 <212> PRT
 <213> Homo sapiens

<400> 951															
Ser	Pro	Ala	Arg	His	Pro	Thr	Thr	Ser	Ser	Arg	His	Thr	Trp	Trp	Glu
1				5					10					15	
Ser	Gly	Asn	Ala	Val	Pro	Pro	Gly	Ser	Pro	Phe	His	Gly	Arg	Pro	Leu
			20					25					30		
Leu	Leu	Leu	Gln	Pro	Ala	Gly	Pro	Val	Pro	Phe	Gln	Asp	Gln	Pro	Phe
		35					40					45			
Asp	Pro	Ser	Gln	Gly	Pro	Trp	Pro	Gly	Leu	His	Cys	Arg	Pro	Gln	Gly
	50					55					60				
Leu	Met	His	Ser	Met	Cys	Leu	Pro	Asp	Leu	Thr	Pro	Glu	Asp	Gly	Gly
65					70					75					80
Lys	Ala	Gln	Asp	His	Thr	Ala	Leu	Gly	His	Ser	Arg	Glu	Gln	Asp	Thr
				85					90					95	
Pro	Gly	Val	Gln	Glu	Asn	Phe	Gln	Gly	Ala	Ala	Pro	Leu	Asp	Arg	Tyr
			100					105					110		
Thr	Arg	Arg	Phe	Asn	Thr	Leu	Tyr	Tyr	Leu	Gly	Asn	Gln	Arg	Arg	Gly
		115					120					125			
Ile	Ile	Lys	Thr	Arg	Lys										
		130													

<210> 952
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 952															
Met	Ala	Thr	Ala	Ser	Ile	Asn	Asn	Leu	Ile	Ser	Ser	Leu	Leu	Leu	His
1				5					10					15	
Leu	Ser	Leu	Leu	Ser	Ser	Lys	Ala	Gly	Lys	Phe	Leu	Ile	Trp	Lys	Glu
			20					25					30		

His Lys Thr Ala Cys Gly Cys Tyr Ala Asn Ser Thr Cys Leu Leu Pro
35 40 45

Asn Gly Leu Ser Asn His Lys Gly Lys Ser
50 55

<210> 953
<211> 58
<212> PRT
<213> Homo sapiens

<400> 953
Met Ala Thr Ala Ser Ile Asn Asn Leu Ile Ser Ser Leu Leu Leu His
1 5 10 15

Leu Ser Leu Leu Ser Ser Lys Ala Gly Lys Phe Leu Ile Trp Lys Glu
20 25 30

His Lys Thr Ala Cys Gly Cys Tyr Ala Asn Ser Thr Cys Leu Leu Pro
35 40 45

Asn Gly Leu Ser Asn His Lys Gly Lys Ser
50 55

<210> 954
<211> 63
<212> PRT
<213> Homo sapiens

<400> 954
Glu Asn Lys Arg Leu His Phe Gly Glu Ala Ser Thr Leu Ser Gly Leu
1 5 10 15

Leu Phe Cys Phe Met Ser Trp Cys Leu Gly Glu Asp Leu Ala Gly Phe
20 25 30

Ile Gln Ser Gly Arg Val Trp Ala Ile Leu Glu Asn Val Pro Ser Ile
35 40 45

Ser Glu Asn Lys Ser Ala Pro Ser Thr Cys Leu His Pro Gly Asp
50 55 60

<210> 955
<211> 77
<212> PRT
<213> Homo sapiens

<400> 955
Met Ala Gly Leu Gly Leu Leu Ser Leu Val Gln Phe Ser Val Thr Gly
1 5 10 15

Gly His Trp Thr Gly Ile Ala Asp Ser Leu Val Ala Thr Leu Gly Cys
 20 25 30
 Arg Leu Ser Gly Ser Val Pro Pro Pro Leu Leu Pro Ala Pro Ser Gly
 35 40 45
 His Ser Arg Ala Leu His Gln Thr Leu Thr Trp Cys Leu His Leu Leu
 50 55 60
 Ser Leu Ser Pro Ser Ser Asn Pro Trp Lys Ser Leu Val
 65 70 75

<210> 956
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 956
 Met Ala Gly Leu Gly Leu Leu Ser Leu Val Gln Phe Ser Val Thr Gly
 1 5 10 15
 Gly His Trp Thr Gly Ile Ala Asp Ser Leu Val Ala Thr Leu Gly Cys
 20 25 30
 Arg Leu Ser Gly Ser Val Pro Pro Pro Leu Leu Pro Ala Pro Ser Gly
 35 40 45
 His Ser Arg Ala Leu His Gln Thr Leu Thr Trp Cys Leu His Leu Leu
 50 55 60
 Ser Leu Ser Pro Ser Ser Asn Pro Trp Lys Ser Leu Val
 65 70 75

<210> 957
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 957
 Met Arg Ala Arg Thr Leu Pro Pro Ser Leu Leu Cys Leu Trp Cys Leu
 1 5 10 15
 Ala Pro Tyr Leu Asn Ile Cys Trp Met Asn Gly
 20 25

<210> 958
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 958
 Ala Gln Trp Leu Thr Pro Val Ile Pro Ala Leu Trp Trp Xaa Glu Glu
 1 5 10 15

 Gly Gly Ser Pro Glu Val Arg Ser Ser Arg Pro Ala
 20 25

 <210> 959
 <211> 27
 <212> PRT
 <213> Homo sapiens

 <400> 959
 Met Arg Ala Arg Thr Leu Pro Pro Ser Leu Leu Cys Leu Trp Cys Leu
 1 5 10 15

 Ala Pro Tyr Leu Asn Ile Cys Trp Met Asn Gly
 20 25

 <210> 960
 <211> 13
 <212> PRT
 <213> Homo sapiens

 <400> 960
 Pro Pro Arg Ala Ser Trp Ser Pro Arg Glu His Val Leu
 1 5 10

 <210> 961
 <211> 70
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 961
 Met Xaa Xaa His Glu Ser Ile Leu Leu Val Ser Leu Asp Leu Leu Pro
 1 5 10 15

Thr Ser Ile Leu Leu Val Ser Leu Trp Ile Cys Ser Pro Pro Pro Ser
 20 25 30
 Ser Trp Val Asn Pro Gly Ser Phe Val Gly Tyr Leu Glu Arg Lys Arg
 35 40 45
 Gln Lys Leu Ile Cys Gln Met Thr Arg Thr Asn Arg Leu Phe Gly Met
 50 55 60
 Lys Arg Lys Thr Ser Gly
 65 70

<210> 962
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 962
 Ser Leu Ala Leu Asn Ser Pro Pro Pro Gly Leu Arg Val Pro Arg Glu
 1 5 10 15
 Glu Arg Leu Leu Ala Thr Ser Leu Leu Gln Gly Ala Leu Pro Ala Gly
 20 25 30
 Pro Cys Pro Ser Thr Thr Leu Leu Ser Trp His Arg Pro Ala Xaa Pro
 35 40 45
 Pro Gly Ala Gln Gly
 50

<210> 963
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 963
 Ser Ile Leu Leu Val Ser Leu Asp Leu Leu Pro Thr Ser Ile Leu Leu
 1 5 10 15
 Val Ser Leu Trp Ile Cys Ser Pro Pro Pro Ser Ser Trp Val Asn Pro
 20 25 30
 Gly Ser Phe Val Gly Tyr Leu Glu Arg Lys Arg Gln Lys Leu Ile Cys
 35 40 45
 Gln Met Thr Arg Thr Asn Arg Leu Phe Gly Met Lys Arg Lys Thr Ser
 50 55 60

Gly
65

<210> 964
<211> 3
<212> PRT
<213> Homo sapiens

<400> 964
Asp Leu Lys
1

<210> 965
<211> 9
<212> PRT
<213> Homo sapiens

<400> 965
Met Asn Glu Lys Phe Leu Pro Pro Leu
1 5

<210> 966
<211> 51
<212> PRT
<213> Homo sapiens

<400> 966
Met Leu Arg Pro Pro Arg Trp Ala Leu Met Ala Ala Ser Ser His Pro
1 5 10 15
Pro Pro Leu Trp Ser Trp Val Leu Gly Leu Ala Ala His Pro Thr Gly
20 25 30
Met Ser Pro Gly Thr Gly Pro His His Gly Trp Val Ser Ala Ser Ser
35 40 45
Ser Ser Ser
50

<210> 967
<211> 244
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (231)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (237)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 967
Met Arg Ala Pro Phe Asn Thr Leu Phe Gly Arg Leu Phe Gly Leu Leu
1 5 10 15
Leu Val Ala Ile Val Leu Ala His Xaa Leu Ala Phe Phe Trp Phe His
20 25 30
His Tyr Gly Pro Pro Pro Pro Xaa Xaa Ala Xaa Phe Val Glu Gln Pro
35 40 45
Asp Gly Ser Leu Thr Pro Leu Arg Lys Ala Pro Arg Pro Trp Phe Gly
50 55 60
Gly Pro Val Val Pro Leu Thr Phe Gln Phe Ile Ser Leu Ile Ile Ala
65 70 75 80
Ala Trp Tyr Gly Ala Lys Leu Leu Ser Arg Pro Ile Gln Arg Leu Ser
85 90 95
Ala Ala Ala Glu Arg Leu Ser Val Asp Leu Asp Ser Pro Pro Leu Val
100 105 110
Glu Thr Gly Pro Arg Glu Ala Arg Gln Ala Ala Ser Thr Phe Asn Leu
115 120 125
Met Gln Lys Arg Ile Arg Glu Gln Val Ser Gln Arg Ala Arg Met Leu
130 135 140
Gly Ala Val Ser His Asp Leu Arg Thr Pro Leu Ser Arg Leu Lys Leu
145 150 155 160
Arg Leu Glu Gln Ile Glu Asp Pro Lys Leu Gln Gly Gln Met Arg Gln

	165		170		175										
Asp	Leu	Asp	Asp	Met	Ile	Gly	Met	Leu	Asp	Ala	Thr	Leu	Ser	Tyr	Leu
			180					185					190		
His	Glu	Gln	Arg	Thr	Ser	Glu	Thr	Arg	His	Trp	Leu	Asp	Val	Gln	Ala
		195					200					205			
Leu	Val	Glu	Ser	Leu	Ser	Glu	Asn	Ala	Gln	Asp	Gln	Gly	Arg	Asp	Val
	210					215					220				
Gln	Phe	Phe	Phe	Gly	Gly	Xaa	Pro	Pro	Gly	Gly	Gly	Xaa	Pro	Lys	Thr
225					230					235					240
Pro	Pro	Pro	Phe												

<210> 968
 <211> 244
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (231)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (237)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 968															
Met	Arg	Ala	Pro	Phe	Asn	Thr	Leu	Phe	Gly	Arg	Leu	Phe	Gly	Leu	Leu
1				5					10					15	
Leu	Val	Ala	Ile	Val	Leu	Ala	His	Val	Leu	Ala	Phe	Phe	Trp	Phe	His
			20					25					30		
His	Tyr	Gly	Pro	Pro	Pro	Pro	Pro	Arg	Ala	Ala	Phe	Val	Glu	Gln	Pro
		35					40					45			
Asp	Gly	Ser	Leu	Thr	Pro	Leu	Arg	Lys	Ala	Pro	Arg	Pro	Trp	Phe	Gly
	50					55					60				
Gly	Pro	Val	Val	Pro	Leu	Thr	Phe	Gln	Phe	Ile	Ser	Leu	Ile	Ile	Ala
65					70				75						80
Ala	Trp	Tyr	Gly	Ala	Lys	Leu	Leu	Ser	Arg	Pro	Ile	Gln	Arg	Leu	Ser
				85					90					95	
Ala	Ala	Ala	Glu	Arg	Leu	Ser	Val	Asp	Leu	Asp	Ser	Pro	Pro	Leu	Val
			100					105						110	
Glu	Thr	Gly	Pro	Arg	Glu	Ala	Arg	Gln	Ala	Ala	Ser	Thr	Phe	Asn	Leu

115		120		125
Met Gln Lys Arg Ile Arg Glu Gln Val Ser Gln Arg Ala Arg Met Leu				
130		135		140
Gly Ala Val Ser His Asp Leu Arg Thr Pro Leu Ser Arg Leu Lys Leu				
145		150		155
				160
Arg Leu Glu Gln Ile Glu Asp Pro Lys Leu Gln Gly Gln Met Arg Gln				
		165		170
				175
Asp Leu Asp Asp Met Ile Gly Met Leu Asp Ala Thr Leu Ser Tyr Leu				
		180		185
				190
His Glu Gln Arg Thr Ser Glu Thr Arg His Trp Leu Asp Val Gln Ala				
		195		200
				205
Leu Val Glu Ser Leu Ser Glu Asn Ala Gln Asp Gln Gly Arg Asp Val				
		210		215
				220
Gln Phe Phe Phe Gly Gly Xaa Pro Pro Gly Gly Gly Xaa Pro Lys Thr				
225		230		235
				240
Pro Pro Pro Phe				

<210> 969
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 969
 Gly Ile Gly Ser Arg Val Arg Ala Ala Phe Ile Ala Leu Glu Pro Ser
 1 5 10 15
 Leu Gly Met Gly Phe Ser Lys Asn Trp Gln Ala His Arg Leu Pro Ser
 20 25 30
 Lys Trp Val Arg Thr Ala Tyr Pro Ser Ile Glu Thr His Tyr Leu Phe
 35 40 45
 Tyr Leu Phe Leu Ser Gly Ser Gly Ala Arg Cys Ser Tyr Phe Ser His
 50 55 60
 Leu Arg Trp Asp Ile Leu Gly Gln Thr Arg Glu Ile Leu Glu Ala Ile
 65 70 75 80
 Ser Val Val Asn Pro
 85

<210> 970
 <211> 54
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 970

Met	Lys	Thr	Val	Ser	Leu	Leu	Leu	Thr	Leu	Trp	Phe	Ser	Gln	Thr	Phe
1				5					10					15	

Ser	Phe	Asn	Leu	Phe	Phe	Ala	Pro	Pro	His	Ser	Leu	Leu	Gln	Ser	Ser
			20					25					30		

Ile	Xaa	Xaa	Ser	Val	Ser	Ser	Ile	Thr	Thr	Val	His	Pro	Xaa	Leu	Gly
		35					40					45			

Leu	Leu	Phe	Cys	Ile	Leu
					50

<210> 971

<211> 37

<212> PRT

<213> Homo sapiens

<400> 971

Ile	Leu	Leu	Gly	Leu	Trp	Gln	Ser	Val	Leu	Gly	Ser	Ser	Ile	Trp	Gly
1				5					10					15	

Gln	Pro	Leu	Ser	Tyr	Asn	Cys	Gln	Glu	Pro	His	Asn	Cys	Leu	Phe	Asn
			20					25					30		

His	Ser	Asp	Phe	Lys
				35

<210> 972

<211> 56

<212> PRT

<213> Homo sapiens

<400> 972

Met	Lys	Thr	Val	Ser	Leu	Leu	Leu	Thr	Leu	Trp	Phe	Ser	Gln	Thr	Phe
1				5					10					15	

Ser	Phe	Asn	Leu	Phe	Phe	Ala	Pro	Pro	His	Ser	Leu	Leu	Gln	Ser	Ser
			20					25					30		
Ile	Phe	Phe	Ser	Val	Ser	Ser	Ile	Thr	Thr	Val	His	Pro	Ile	Leu	Val
		35					40					45			
Phe	Phe	Phe	Ala	Phe	Phe	Arg	Thr								
		50				55									

<210> 973
 <211> 65
 <212> PRT
 <213> Homo sapiens

Lys	Leu	Thr	Gln	Ala	Gly	Ser	Gly	Tyr	Val	His	Arg	Glu	Ile	Phe	Pro
1				5					10					15	
Arg	Val	Cys	Phe	Phe	Asp	Ile	Leu	Ser	Pro	Ser	Phe	Tyr	Leu	Leu	Ala
			20					25					30		
Gly	Ile	Ser	Cys	Pro	Thr	Thr	Pro	Val	Ile	Ile	Cys	Lys	Pro	Leu	Tyr
		35					40					45			
Ser	Phe	Gln	Cys	Leu	Lys	Val	Ile	His	Lys	Glu	Gly	Arg	Asn	Lys	Arg
		50				55					60				
Val															
65															

<210> 974
 <211> 11
 <212> PRT
 <213> Homo sapiens

Met	Thr	Leu	Ser	Asn	Trp	Glu	Tyr	Gly	Phe	His
1				5					10	

<210> 975
 <211> 60
 <212> PRT
 <213> Homo sapiens

Met	Pro	Phe	Tyr	Tyr	Ala	Gly	Leu	Ile	Leu	Met	Glu	Met	Arg	Leu	Thr
1				5					10					15	
Ile	Ala	Lys	Thr	Pro	Val	Glu	Thr	Gln	Gln	Ser	Trp	Pro	Ala	Phe	Leu
			20					25					30		

Trp Tyr Phe Gly Cys Gly Ser Cys Asp Gly Tyr Ser Ile Lys His Cys
35 40 45

Ile Ser Leu His Leu Leu Ser Phe Ser Leu Gln Lys
50 55 60

<210> 976
<211> 24
<212> PRT
<213> Homo sapiens

<400> 976
Ile Cys Leu Trp Gly Arg Pro Asn Leu Thr Thr Gln Gly Thr Leu Lys
1 5 10 15

Gly Ile Ser Gly Arg Arg Ser Gln
20

<210> 977
<211> 128
<212> PRT
<213> Homo sapiens

<400> 977
Pro Glu Thr Phe Leu Leu Val Thr Gly Ser Gln Trp Gly Ile Leu Gly
1 5 10 15

Cys Gln Gly Pro Arg Val Thr Cys Val Gln Leu Phe Tyr Gly Ser Arg
20 25 30

Gly Leu Ser Leu Arg Gln Ala Thr Lys Cys Pro Gly Cys His Pro Pro
35 40 45

Trp Ser Pro Ser Val Pro His Ala Trp Ser Pro Ala Ser Pro Arg Ile
50 55 60

Pro Val Ala Phe Ile Ser Gly Gln Leu Pro Ala Arg Pro Gly Leu Gly
65 70 75 80

His Gly Leu Arg His Glu Ala Arg Pro Pro Pro Ala Pro Leu Pro Arg
85 90 95

Gly Ser Ser Ile Pro Leu His Phe Trp Asn Val Cys Ala Ser Met Met
100 105 110

Phe Val Tyr Leu Arg His Leu Lys Ile Tyr Phe Arg Tyr Glu Gly Lys
115 120 125

<210> 978
<211> 23
<212> PRT
<213> Homo sapiens

<400> 978
Ile Cys Leu Trp Gly Arg Pro Asn Leu Thr Thr Gln Gly Thr Leu Lys
1 5 10 15
Gly Ile Ser Gly Arg Arg Ser
20

<210> 979
<211> 78
<212> PRT
<213> Homo sapiens

<400> 979
Arg His Leu Gln Val Gly Gly Gly Gln His Gln Cys Gly Gln Ala Cys
1 5 10 15
Leu Asp Ser Ser Tyr Arg Pro Leu Leu Cys Met Met Trp Glu Pro Gly
20 25 30
His Ser His Ala Pro Ser Arg Ala Gln Gly Cys Gly Ser Thr Thr Glu
35 40 45
His Pro Leu Ser His Cys Pro Pro Leu Pro Arg Ala Leu Pro Ser Pro
50 55 60
Pro Leu Leu His His Ser Ser Phe Lys Val Pro Leu Leu Tyr
65 70 75

<210> 980
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 980
Met Pro Leu Gln Arg Arg Val Lys Val Lys Thr Thr Ser Ser Arg Cys
1 5 10 15
Leu Pro Gly Thr Thr Trp Gly Leu Thr Leu Phe Ser Met Leu Cys Cys
20 25 30
Phe Trp Pro Leu Gly Ile Ala Ala Phe Tyr Phe Ser Gln Gly Thr Ser
35 40 45

Lys Ala Ile Ser Lys Gly Asp Phe Arg Leu Ala Ser Thr Thr Ser Arg
50 55 60

Arg Ala Leu Phe Leu Ala Thr Xaa Ala Ile Ala Val Gly Ala Gly Leu
65 70 75 80

Tyr Val Ala Val Val Val Ala Leu Ala Ala Tyr Met Ser Gln Asn Gly
85 90 95

His Gly

<210> 981
<211> 68
<212> PRT
<213> Homo sapiens

<400> 981
Met Pro Leu Gln Arg Arg Val Lys Val Lys Thr Thr Ser Ser Arg Cys
1 5 10 15

Leu Pro Gly Thr Thr Trp Asp Leu Leu Ser Ser Pro Cys Ser Ala Ala
20 25 30

Ser Gly His Trp Ala Leu Leu Pro Ser Thr Ser Pro Arg Gly Pro Ala
35 40 45

Arg Pro Ser Pro Lys Gly Thr Ser Ala Trp Pro Ala Pro Pro Pro Ala
50 55 60

Gly Pro Ser Ser
65

<210> 982
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 982

Met Leu Leu Pro Leu Phe Thr Leu Leu Ile Leu Leu Leu Arg Val Phe
1 5 10 15

Pro Lys Glu Ile Ile Gln Asn Arg Xaa Lys Leu Lys Ala Glu Lys Cys
20 25 30

Trp Asn Met Thr Leu Phe Ile Ala Val Gly Lys Met Gly Gly Trp Gly
35 40 45

Thr Trp Xaa Met Leu Glu Ile Xaa Ala Leu Cys Glu Gly Pro Val Gly
50 55 60

Glu Asp Ala Leu
65

<210> 983

<211> 8

<212> PRT

<213> Homo sapiens

<400> 983

Arg Val Phe Pro Val Thr Thr Leu
1 5

<210> 984

<211> 32

<212> PRT

<213> Homo sapiens

<400> 984

Met Leu Leu Pro Leu Phe Thr Leu Leu Ile Leu Leu Leu Arg Val Phe
1 5 10 15

Pro Lys Glu Ile Ile Gln Asn Arg Lys Lys Leu Lys Ala Glu Lys Cys
20 25 30

<210> 985

<211> 10

<212> PRT

<213> Homo sapiens

<400> 985

Met Gly Leu Phe Leu Phe Leu Val Ser Ser
1 5 10

<210> 986
<211> 10
<212> PRT
<213> Homo sapiens

<400> 986
Met Gly Leu Phe Leu Phe Leu Val Ser Ser
1 5 10

<210> 987
<211> 56
<212> PRT
<213> Homo sapiens

<400> 987
Met Leu Thr Gly Val Ile Ser Gly Ser Thr Gly Ala Met Ala Leu Ser
1 5 10 15
Leu Ala Ser Leu Ser Ala His Cys Phe Ala Phe Arg Cys Leu Ala Ala
20 25 30
Pro Phe Tyr Phe Phe Ala Gly Leu Gly Lys His Gly Arg Arg Ile Leu
35 40 45
Ile Ser Phe Leu Phe Ser Ala Trp
50 55

<210> 988
<211> 56
<212> PRT
<213> Homo sapiens

<400> 988
Met Leu Thr Gly Val Ile Ser Gly Ser Thr Gly Ala Met Ala Leu Ser
1 5 10 15
Leu Ala Ser Leu Ser Ala His Cys Phe Ala Phe Arg Cys Leu Ala Ala
20 25 30
Pro Phe Tyr Phe Phe Ala Gly Leu Gly Lys His Gly Arg Arg Ile Leu
35 40 45
Ile Ser Phe Leu Phe Ser Ala Trp
50 55

<210> 989
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 989
Ala Glu Xaa Ala Pro Leu His Phe His Leu Gly Asp Gly Glu Arg Leu
1 5 10 15
His Leu Lys Lys Lys Lys Asn Lys Lys Lys Lys Pro Lys Gln Gly Trp
20 25 30
Ala Arg Trp Leu Thr Pro Val Ile Ser Ala Leu Leu Glu Xaa Gly Ala
35 40 45
Gly Val Ser Pro Glu Val Met Ser
50 55

<210> 990
<211> 29
<212> PRT
<213> Homo sapiens

<400> 990
Met Leu Val Ile Ile Ile Met Thr Ala Leu Val Ser His Val Pro Ser
1 5 10 15
Val His Ser Val Pro His Ala Val Pro Phe Thr Ser Ser
20 25

<210> 991
<211> 29
<212> PRT
<213> Homo sapiens

<400> 991
Met Leu Val Ile Ile Ile Met Thr Ala Leu Val Ser His Val Pro Ser
1 5 10 15
Val His Ser Val Pro His Ala Val Pro Phe Thr Ser Ser
20 25

<210> 992
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 992
Val Phe Lys Thr Ile Arg Xaa Arg Glu Ile Ile Leu Tyr His Glu Asn
1 5 10 15
Ser Thr Gly Lys Thr His Pro His Asp Ser Leu Ile Ser His Trp Val
20 25 30
Pro Xaa Thr Thr Gln Gly Asn Tyr Gly Ser Tyr Lys Met Arg Phe Gly
35 40 45
Trp Gly His Arg Ala Arg Pro Tyr Gln Pro Pro Lys
50 55 60

<210> 993
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 993
Met Asp Ile Gln Gly Lys Ala Leu Tyr Ile Arg Phe Leu Leu Thr Leu
1 5 10 15
Cys Gln Met Val Val Ser Val Met Gly Lys Arg Xaa Gln Gly Arg Arg
20 25 30
Gly Leu Gly Gly Ala Ala Ala Val Gly Arg Glu Ile Cys Arg Arg Trp
35 40 45
Gly Cys Cys Val Thr
50

<210> 994
<211> 12
<212> PRT
<213> Homo sapiens

<400> 994

Leu Cys Trp Thr Arg Ser Ser Val Ile Gly Ala His
1 5 10

<210> 995
<211> 53
<212> PRT
<213> Homo sapiens

<400> 995
Met Asp Ile Gln Gly Lys Ala Leu Tyr Ile Arg Phe Leu Leu Thr Leu
1 5 10 15

Cys Gln Met Val Val Ser Val Met Gly Lys Arg Arg Gln Gly Arg Arg
20 25 30

Gly Leu Gly Gly Ala Ala Ala Val Gly Arg Glu Ile Cys Arg Arg Trp
35 40 45

Gly Cys Cys Val Thr
50

<210> 996
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 996
Lys Gln Gly Ser Leu Leu Gly Trp Ser Arg Val Ile Met Val Arg Gly
1 5 10 15

Ala Gln Ser Tyr Xaa Lys Gly Val Leu Cys Arg His Trp Lys Lys Phe
20 25 30

Gly Phe Tyr Ser Lys Trp Asn Trp Lys Pro Leu Glu Cys Phe Gln Asn
35 40 45

Arg Ser Asp Val Ile
50

<210> 997
<211> 53
<212> PRT
<213> Homo sapiens

<400> 997
Met Arg Leu Ile Leu Phe Ala Met Ser Pro Lys Leu Leu Phe Leu Phe

1 5 10 15
 Leu Phe Leu Tyr Ile Ser Val Lys Ser Phe Asp Leu Val Leu Ser Phe
 20 25 30
 Arg Ser Val Leu Phe Met Ser Asp Leu Ile His Cys Phe Tyr His Gln
 35 40 45
 Leu His Phe Lys Leu
 50

<210> 998
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 998
 Met Arg Leu Ile Leu Phe Ala Met Ser Pro Lys Leu Leu Phe Leu Phe
 1 5 10 15
 Leu Phe Leu Tyr Ile Ser Val Lys Ser Phe Asp Leu Val Leu Ser Phe
 20 25 30
 Arg Ser Val Leu Phe Met Ser Asp Leu Ile His Cys Phe Tyr His Gln
 35 40 45
 Leu His Phe Lys Leu
 50

<210> 999
 <211> 79
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 999
 Leu Gly Ile Trp Leu Ile Pro Gly Leu Arg Arg Ala Asn Pro Lys Ile
 1 5 10 15
 Ser Leu Glu Tyr Leu Met Val Pro Glu Asn Lys Tyr Ser Lys Asn Cys
 20 25 30
 Glu Xaa Met Leu Lys Gly Leu Arg Ser Gln Pro Glu Gly Ala Ala Asn
 35 40 45
 Gly Gln Ser Trp Asn Asn Ser Asn Lys Val Asn Lys Tyr Ser Ile Gly
 50 55 60
 Leu Leu Leu Asn Lys Cys Met Ile His Glu Ser Thr Leu Lys Asp

65

70

75

<210> 1000
<211> 43
<212> PRT
<213> Homo sapiens

<400> 1000
Met Phe His Arg Phe Phe Ile Leu Ser Ala Leu Ser Arg Ile Arg Ala
1 5 10 15
Leu Thr Thr Phe Leu Asp Asp Leu Gly Met Thr His Gln Thr Leu Leu
20 25 30
Leu Leu Leu Gly Pro Ser Ile Tyr Ser Phe Cys
35 40

<210> 1001
<211> 43
<212> PRT
<213> Homo sapiens

<400> 1001
Met Phe His Arg Phe Phe Ile Leu Ser Ala Leu Ser Arg Ile Arg Ala
1 5 10 15
Leu Thr Thr Phe Leu Asp Asp Leu Gly Met Thr His Gln Thr Leu Leu
20 25 30
Leu Leu Leu Gly Pro Ser Ile Tyr Ser Phe Cys
35 40

<210> 1002
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (108)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1002
 Val Gln Val Leu Thr Gln Tyr Tyr Gln Ser Asn Ile Leu Asn Ile Leu
 1 5 10 15
 Ser Gln Val Ile Cys Leu Ser Ile Val Tyr Phe Glu Gly Phe Leu Ser
 20 25 30
 Phe Thr Phe Asn Leu Phe Phe Ile Ser Ile Ser Ser Xaa Val Ala Leu
 35 40 45
 Ser Tyr Ser Tyr Pro Asp Ile His Leu Ile Ser Glu Gly Leu Asp Ile
 50 55 60
 Thr Leu Val Lys Met Gln Ser Asp Leu Ile Leu Phe Leu Lys Gln Thr
 65 70 75 80
 Ala Val Leu Leu Glu Arg Pro Arg Ala His Arg Phe Ser Thr Arg Val
 85 90 95
 Gly Tyr Xaa Val Ser Val His Xaa Ser Gly Ser Xaa Xaa Val Xaa
 100 105 110

<210> 1003
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1003
 Met Leu Tyr Val Arg Leu Leu Lys Asn Thr Lys Ile Xaa Val Leu Ile
 1 5 10 15
 Leu Pro Leu Phe Ile Leu Phe Leu Thr Leu Phe Leu Phe Ile Pro Asn
 20 25 30

Gly Phe Leu Phe Val Phe Val Ser Leu Tyr Phe
35 40

<210> 1004
<211> 118
<212> PRT
<213> Homo sapiens

<400> 1004
Met Phe Ile Val Phe Ser Val Leu Leu Leu Phe Phe Gln Phe Ala Ile
1 5 10 15
Cys Gln Phe Ala Asp Leu Ala Ile Phe Pro Leu Ser Met Cys Gln Leu
20 25 30
Cys Asn Leu Ser Ala Arg Leu Ala Ala Pro Ser Ala Arg Phe Glu Gly
35 40 45
Leu Gly Ile Asn Arg Thr Arg Lys Ala Glu Gly Ser Leu Pro Thr Thr
50 55 60
Ala Val Gln Leu Leu Pro Tyr Lys Ser Gln Ala Val Gln Val Gln His
65 70 75 80
Pro Gln Ala Val Ile Val Asp Lys Leu Ser Val Ile Ser Leu Arg Ser
85 90 95
Ile Cys Ile Asp Gln Leu Lys Phe Met Glu Met Glu Asn Ile Ile Lys
100 105 110
Pro Gly Tyr Val Thr Ser
115

<210> 1005
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1005

Ser	Ile	Lys	Ser	Cys	Ser	Ser	Phe	Tyr	Leu	Gly	Ser	Arg	Val	Asn	Arg
1				5					10					15	

Ala	Gln	Leu	Thr	Asn	Tyr	Pro	Pro	Ala	Met	Arg	Thr	Tyr	Val	Tyr	Glu
			20					25					30		

Cys	His	Cys	Asp	Lys	Ser	Thr	Ser	Arg	Ala	Thr	Ala	Gly	Pro	Ser	Ile
		35					40					45			

Phe	His	Pro	Gly	Gly	Val	Xaa	Gly	Met	Trp	Xaa	Ile	Phe	Ala	Xaa	Val
	50					55					60				

<210> 1006

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1006

His	Ser	Pro	Glu	Ser	Cys	Tyr	Ser	Phe	Asn	Leu	Gly	Ser	Arg	Met	Arg
1				5					10					15	

Ile	Ser	Val	Glu	Xaa	Lys	Xaa	Ala	Lys	Ser	Asn	Ser	Ala	Ala	Asp	Asn
			20					25					30		

Pro	Glu	Thr	Leu	Arg	Lys	Gly	Tyr	Val	Xaa
		35				40			

<210> 1007

<211> 76

<212> PRT

<213> Homo sapiens

<400> 1007

Met Leu Val Leu Leu Ser Leu Leu Ala Ser Gly Gly Leu Pro Leu Leu

1		5		10		15									
Leu	Val	Gly	Asp	Val	Leu	Ala	Ser	Lys	Ser	Ser	Thr	Val	Leu	Phe	Leu
		20						25					30		
Pro	Gly	Asp	Ser	Ser	Pro	Gly	Cys	Ser	Met	Ile	Thr	Pro	Leu	Pro	Pro
		35					40					45			
Ser	Arg	Met	Cys	Leu	Lys	Ala	Gly	Ser	Ser	Gly	Glu	Gln	Thr	Val	Val
	50					55					60				
Pro	Leu	Ser	Leu	Leu	Leu	Arg	Ser	Lys	Ser	Ser	Lys				
65					70					75					

<210> 1008
 <211> 76
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1008
Met Leu Val Leu Leu Ser Leu Leu Ala Ser Gly Gly Leu Pro Leu Leu
1 5 10 15
Leu Val Gly Asp Val Leu Ala Ser Lys Ser Ser Thr Val Leu Phe Leu
20 25 30
Pro Gly Asp Ser Ser Pro Gly Cys Ser Met Ile Thr Pro Leu Pro Pro
35 40 45
Ser Arg Met Cys Leu Lys Ala Gly Ser Ser Gly Glu Gln Thr Val Val
50 55 60
Pro Leu Ser Leu Leu Leu Xaa Ser Lys Ser Ser Lys
65 70 75

<210> 1009
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 1009
Cys His Leu Gln His Ser Cys Arg Glu
1 5

<210> 1010
 <211> 34

<212> PRT
<213> Homo sapiens

<400> 1010

Met Thr Ala Leu Phe Cys Ser Leu Leu His Ser Leu Val Ser Leu Leu
1 5 10 15

Leu Pro Thr Lys Trp Gly Gln Gly Lys Ala Phe Leu Thr Gly Pro Leu
20 25 30

Phe Ser

<210> 1011
<211> 10
<212> PRT
<213> Homo sapiens

<400> 1011

Phe Ser Cys Cys Leu Ser Leu Pro Ile Ser
1 5 10

<210> 1012
<211> 71
<212> PRT
<213> Homo sapiens

<400> 1012

Met Trp Cys Leu Val Phe Cys Ser Cys Val Ser Leu Pro Arg Met Met
1 5 10 15

Ala Ser Ser Phe Ile His Asp Ile Ala Lys Asp Met Ile Ser Phe Leu
20 25 30

Phe Met Ser Ala Trp Tyr Tyr Thr Tyr Phe Asn Ser Phe Glu Ile Tyr
35 40 45

Arg Phe Gln Phe Thr Phe Ile Glu Tyr Ser Leu Trp Val Lys His His
50 55 60

Ala Ser Leu Pro Gly Val Gln
65 70

<210> 1013
<211> 71
<212> PRT
<213> Homo sapiens

<400> 1013

Met Trp Cys Leu Val Phe Cys Ser Cys Val Ser Leu Pro Arg Met Met
1 5 10 15

Ala Ser Ser Phe Ile His Asp Ile Ala Lys Asp Met Ile Ser Phe Leu
20 25 30

Phe Met Ser Ala Trp Tyr Tyr Thr Tyr Phe Asn Ser Phe Glu Ile Tyr
35 40 45

Arg Phe Gln Phe Thr Phe Ile Glu Tyr Ser Leu Trp Val Lys His His
50 55 60

Ala Ser Leu Pro Gly Val Gln
65 70

<210> 1014
<211> 74
<212> PRT
<213> Homo sapiens

<400> 1014
Ala Arg Arg Glu Gly Arg Ser Arg Thr Ala Val Gly Ser Thr Pro Ala
1 5 10 15

Ala Pro Leu Ser Leu Thr Arg Gly Gly Gln Cys Pro Ser Arg Gly Ser
20 25 30

Pro Leu Ala Leu Phe Gly His Pro Leu Ala Ser Gln Lys His Ser Glu
35 40 45

Thr Lys Thr Phe Pro Phe Pro Pro Pro His Met Val Leu Arg Leu Pro
50 55 60

Ala Ala Met Gln Leu Lys Gln Leu Ile Phe
65 70

<210> 1015
<211> 21
<212> PRT
<213> Homo sapiens

<400> 1015
Met Ser Leu Ser Leu Ile Ser Leu Ser Phe Leu Phe Pro Ala Gly Ala
1 5 10 15

Gly Arg Arg Ser Cys
20

<210> 1016
<211> 21
<212> PRT
<213> Homo sapiens

<400> 1016

Met	Ser	Leu	Ser	Leu	Ile	Ser	Leu	Ser	Phe	Leu	Phe	Pro	Ala	Gly	Ala
1				5					10					15	

Gly	Arg	Arg	Ser	Cys
			20	

<210> 1017

<211> 25

<212> PRT

<213> Homo sapiens

<400> 1017

Met	Leu	His	Trp	Gly	Val	Leu	Cys	Ser	Leu	Phe	Leu	Met	Leu	Phe	Asn
1				5					10					15	

Glu	Gly	Ala	Ser	Ala	Ser	Leu	Gln	Gln
			20				25	

<210> 1018

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1018

Met	Leu	His	Trp	Gly	Val	Leu	Cys	Ser	Leu	Phe	Leu	Met	Leu	Phe	Asn
1				5					10					15	

Glu	Gly	Ala	Ser	Ala	Ser	Leu	Ser	Asn	Lys	Arg	Ser	Met	Arg	Glu	Asp
			20					25					30		

Arg	Ala	Val	His	Gly	Tyr	Gly	Tyr	Trp	Thr	Arg	Ile	Phe	Gly	Lys	Val
		35				40						45			

Lys	Ala	Asp	His	Trp	Ile	Trp
	50					55

<210> 1019

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1019

Met	Arg	Ala	Cys	Leu	Cys	Ala	Gly	Val	Cys	Met	Cys	Xaa	Ala	Ser	Cys
1				5					10					15	

Leu Gly Leu Pro Met Asn Val Val Glu Cys Tyr Thr Trp Arg Val Leu
 20 25 30
 Val Phe His Gln Phe Gln Asp Glu Glu Leu His Asp Thr Val Asp Leu
 35 40 45
 Glu Thr Ile Pro Leu Glu Arg Gln Pro Arg Asp Val Gln His Pro Val
 50 55 60
 Ser Thr Arg Ile Leu Tyr Leu His Val Tyr Phe Val Ala Val Thr Leu
 65 70 75 80
 Thr Leu Ile Arg Ile Leu Gln Leu Trp Thr Glu Ala Phe Ser Pro
 85 90 95

<210> 1020
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 1020
 Met Glu Leu Leu Gln Val Thr Ile Leu Phe Leu Leu Pro Ser Ile Cys
 1 5 10 15
 Ser Ser Asn Ser Thr Gly Val Leu Glu Ala Ala Asn Asn Ser Leu Val
 20 25 30
 Val Thr Thr Thr Lys Pro Ser Ile Thr Thr Pro Asn Thr Glu Ser Leu
 35 40 45
 Gln Lys Asn Val Val Thr Pro Thr Thr Gly Thr Thr Pro Lys Gly Thr
 50 55 60
 Ile Thr Asn Glu Leu Leu Lys Met Ser Leu Met Ser Thr Ala Thr Phe
 65 70 75 80
 Leu Thr Ser Lys Asp Glu Gly Leu Lys Ala Thr Thr Thr Asp Val Arg
 85 90 95
 Lys Asn Asp Ser Ile Ile Ser Asn Val Thr Val Thr Ser Val Thr Leu
 100 105 110
 Pro Asn Ala Val Ser Thr Leu Gln Ser Ser Lys Pro Lys Thr Glu Thr
 115 120 125
 Gln Ser Ser Ile Lys Thr Thr Glu Ile Pro Gly Ser Val Leu Gln Pro
 130 135 140
 Asp Ala Ser Pro Ser Lys Thr Gly Thr Leu Thr Ser Ile Pro Val Thr
 145 150 155 160
 Ile Pro Glu Asn Thr Ser Gln Ser Gln Val Ile Gly Thr Glu Gly Gly
 165 170 175
 Lys Asn Ala Ser Thr Ser Ala Thr Ser Arg Ser Tyr Ser Ser Ile Ile

	180		185		190										
Leu	Pro	Val	Val	Ile	Ala	Leu	Ile	Val	Ile	Thr	Leu	Ser	Val	Phe	Val
	195					200						205			
Leu	Val	Gly	Leu	Tyr	Arg	Met	Cys	Trp	Lys	Ala	Asp	Pro	Gly	Thr	Pro
	210					215					220				
Glu	Asn	Gly	Asn	Asp	Gln	Pro	Gln	Ser	Asp	Lys	Glu	Ser	Val	Lys	Leu
225					230					235					240
Leu	Thr	Val	Lys	Thr	Ile	Ser	His	Glu	Ser	Gly	Glu	His	Ser	Ala	Gln
				245					250					255	
Gly	Lys	Thr	Lys	Asn											
			260												

<210> 1021
 <211> 260
 <212> PRT
 <213> Homo sapiens

<400> 1021															
Met	Glu	Leu	Leu	Gln	Val	Thr	Ile	Leu	Phe	Leu	Leu	Pro	Ser	Ile	Cys
1				5					10					15	
Ser	Ser	Asn	Ser	Thr	Gly	Val	Leu	Glu	Ala	Ala	Asn	Asn	Ser	Leu	Val
			20					25					30		
Thr	Thr	Thr	Lys	Pro	Ser	Ile	Thr	Thr	Pro	Asn	Thr	Glu	Ser	Leu	Gln
			35				40					45			
Lys	Asn	Val	Val	Thr	Pro	Thr	Thr	Gly	Thr	Thr	Pro	Lys	Gly	Thr	Ile
	50					55					60				
Thr	Asn	Glu	Leu	Leu	Lys	Met	Ser	Leu	Met	Ser	Thr	Ala	Thr	Phe	Leu
65					70					75					80
Thr	Ser	Lys	Asp	Glu	Gly	Leu	Lys	Ala	Thr	Thr	Thr	Asp	Val	Arg	Lys
				85				90						95	
Asn	Asp	Ser	Ile	Ile	Ser	Asn	Val	Thr	Val	Thr	Ser	Val	Thr	Leu	Pro
			100					105					110		
Asn	Ala	Val	Ser	Thr	Leu	Gln	Ser	Ser	Lys	Pro	Lys	Thr	Glu	Thr	Gln
	115						120					125			
Ser	Ser	Ile	Lys	Thr	Thr	Glu	Ile	Pro	Gly	Ser	Val	Leu	Gln	Pro	Asp
	130					135					140				
Ala	Ser	Pro	Ser	Lys	Thr	Gly	Thr	Leu	Thr	Ser	Ile	Pro	Val	Thr	Ile
145					150				155						160
Pro	Glu	Asn	Thr	Ser	Gln	Ser	Gln	Val	Ile	Gly	Thr	Glu	Gly	Gly	Lys
				165					170					175	

Asn	Ala	Ser	Thr	Ser	Ala	Thr	Ser	Arg	Ser	Tyr	Ser	Ser	Ile	Ile	Leu
			180					185					190		
Pro	Val	Val	Ile	Ala	Leu	Ile	Val	Ile	Thr	Leu	Ser	Val	Phe	Val	Leu
		195					200					205			
Val	Gly	Leu	Tyr	Arg	Met	Cys	Trp	Lys	Ala	Asp	Pro	Gly	Thr	Pro	Glu
	210					215					220				
Asn	Gly	Asn	Asp	Gln	Pro	Gln	Ser	Asp	Lys	Glu	Ser	Val	Lys	Leu	Leu
225					230					235					240
Thr	Val	Lys	Thr	Ile	Ser	His	Glu	Ser	Gly	Glu	His	Ser	Ala	Gln	Gly
				245					250					255	
Lys	Thr	Lys	Asn												
			260												

<210> 1022
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 1022

Cys	Val	Leu	Glu	Pro	Thr	Ser	Ser	Gln	Ser	Ile	Ala	Pro	Asp	Leu	Gly
1				5				10						15	
Arg	Glu	Ser	Thr	Phe	Ser	Ile	Gln	Arg	Asn	Lys	Asn	Met	Gln	Phe	Met
			20					25					30		
Val	Val	Leu	Trp	Thr	Leu	Thr	Asp	Cys	Glu	Gly	Lys	Val	Tyr	Pro	Lys
		35					40					45			
Ala	Val	Ile	Cys	Arg											
		50													

<210> 1023
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 1023

Met	Met	Leu	Pro	Val	Ile	Ser	Leu	Phe	Leu	Ile	Ser	Leu	His	Leu	Pro
1				5				10					15		
Ile	Phe	Cys	Phe	Gln	Arg	Leu	Leu	Leu	Phe	Lys	Gly	Phe	Leu	Phe	Ile
			20					25					30		
Ala	Asn	Ser	Ser	Asn	Leu	His	Ile	Lys							
		35					40								

<210> 1024
<211> 41
<212> PRT
<213> Homo sapiens

<400> 1024
Met Met Leu Pro Val Ile Ser Leu Phe Leu Ile Ser Leu His Leu Pro
1 5 10 15
Ile Phe Cys Phe Gln Arg Leu Leu Leu Phe Lys Gly Phe Leu Phe Ile
20 25 30
Ala Asn Ser Ser Asn Leu His Ile Lys
35 40

<210> 1025
<211> 162
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1025
Lys Thr Val Met Leu Pro Ile Ala Gln Glu Val Gln Ser Pro Val Xaa
1 5 10 15
Xaa Xaa Cys Asp Lys Leu Ala Ala Asp Cys Ala His Glu Leu Arg Arg
20 25 30
His Gly Val Ser Cys Val Ser Leu Trp Pro Gly Ile Val Gln Thr Glu
35 40 45
Leu Leu Lys Glu His Met Ala Lys Glu Glu Val Leu Gln Asp Pro Val
50 55 60
Leu Lys Gln Phe Lys Ser Ala Phe Ser Ser Ala Glu Thr Thr Glu Leu
65 70 75 80
Ser Gly Lys Cys Val Val Ala Leu Ala Thr Asp Pro Asn Ile Leu Ser
85 90 95

Leu Ser Gly Lys Val Leu Pro Ser Cys Asp Leu Ala Arg Arg Tyr Gly
 100 105 110
 Leu Arg Asp Val Asp Gly Arg Pro Val Gln Asp Tyr Leu Ser Leu Ser
 115 120 125
 Ser Val Leu Ser His Val Ser Gly Leu Gly Trp Leu Ala Ser Tyr Leu
 130 135 140
 Pro Ser Phe Leu Arg Val Pro Lys Trp Ile Ile Ala Leu Tyr Thr Ser
 145 150 155 160

Lys Phe

<210> 1026
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 1026
 Met Ala Arg Trp Leu Leu Pro Cys Leu Pro Pro Leu His Ser Val Thr
 1 5 10 15
 Ser Trp Leu Leu Thr Val Pro Thr Ser Cys Gly Ala Met Gly Ser Ala
 20 25 30
 Val Cys Leu Cys Gly Arg Gly Leu Cys Arg Gln Asn Cys
 35 40 45

<210> 1027
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1027
 Leu Pro Pro Phe Pro Gln Cys Asp Lys Leu Ala Ala Asp Cys Pro Thr
 1 5 10 15
 Ser Cys Gly Ala Met Gly Ser Ala Val Cys Leu Cys Xaa Arg Gly Leu
 20 25 30
 Cys Arg Gln Asn Cys
 35

<210> 1028

<211> 45
<212> PRT
<213> Homo sapiens

<400> 1028
Met Ala Arg Trp Leu Leu Pro Cys Leu Pro Pro Leu His Ser Val Thr
1 5 10 15
Ser Trp Leu Leu Thr Val Pro Thr Ser Cys Gly Ala Met Gly Ser Ala
20 25 30
Val Cys Leu Cys Gly Arg Gly Leu Cys Arg Gln Asn Cys
35 40 45

<210> 1029
<211> 29
<212> PRT
<213> Homo sapiens

<400> 1029
Met Asp Gln Phe Leu Gln Tyr Leu Leu Glu Cys Met Leu Leu Cys Thr
1 5 10 15
Thr Ala Gly Ala Ser Gly Ala Thr Tyr Val Pro Thr Arg
20 25

<210> 1030
<211> 42
<212> PRT
<213> Homo sapiens

<400> 1030
Met Asp Gln Phe Leu Gln Tyr Leu Leu Glu Cys Met Leu Leu Cys Thr
1 5 10 15
Thr Ala Gly Ala Ser Gly Ala His Leu Cys Thr Asn Glu Met Thr Leu
20 25 30
Leu Glu Ala Ile Leu Tyr Leu Gln Trp Met
35 40

<210> 1031
<211> 53
<212> PRT
<213> Homo sapiens

<400> 1031
Cys Leu Ile Leu Gln Glu Glu Asn Arg Lys Glu Leu Ser Asn Leu Ala
1 5 10 15
Asn Arg Tyr Lys Ile Asp Ser Arg Val Leu Ser Pro Thr Leu Gly Trp

<210> 1035
 <211> 491
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1035
 Ala Ala Arg Val Gly Arg His Gly Arg Arg Arg Ser Ala Ala Met
 1 5 10 15
 Ala Gly Arg Gly Gly Ser Ala Leu Leu Ala Leu Cys Gly Ala Leu Ala
 20 25 30
 Ala Cys Gly Trp Leu Leu Gly Ala Glu Xaa Xaa Xaa Pro Gly Ala Pro
 35 40 45
 Ala Ala Gly Met Arg Arg Arg Arg Arg Leu Gln Gln Glu Asp Gly Ile
 50 55 60
 Ser Phe Glu Tyr His Arg Tyr Pro Glu Leu Arg Glu Ala Leu Val Ser
 65 70 75 80
 Val Trp Leu Gln Cys Thr Ala Ile Ser Arg Ile Tyr Thr Val Gly Arg
 85 90 95
 Ser Phe Glu Gly Arg Glu Leu Leu Val Ile Glu Leu Ser Asp Asn Pro
 100 105 110
 Gly Val His Glu Pro Gly Glu Pro Glu Phe Lys Tyr Ile Gly Asn Met
 115 120 125
 His Gly Asn Glu Ala Val Gly Arg Glu Leu Leu Ile Phe Leu Ala Gln
 130 135 140
 Tyr Leu Cys Asn Glu Tyr Gln Lys Gly Asn Glu Thr Ile Val Asn Leu
 145 150 155 160
 Ile His Ser Thr Arg Ile His Ile Met Pro Ser Leu Asn Pro Asp Gly
 165 170 175

Phe	Glu	Lys	Ala	Ala	Ser	Gln	Pro	Gly	Glu	Leu	Lys	Asp	Trp	Phe	Val			
			180					185					190					
Gly	Arg	Ser	Asn	Ala	Gln	Gly	Ile	Asp	Leu	Asn	Arg	Asn	Phe	Pro	Asp			
		195					200					205						
Leu	Asp	Arg	Ile	Val	Tyr	Val	Asn	Glu	Lys	Glu	Gly	Gly	Pro	Asn	Asn			
	210					215					220							
His	Leu	Leu	Lys	Asn	Met	Lys	Lys	Ile	Val	Asp	Gln	Asn	Thr	Lys	Leu			
225					230					235					240			
Ala	Pro	Glu	Thr	Lys	Ala	Val	Ile	His	Trp	Ile	Met	Asp	Ile	Pro	Phe			
				245					250					255				
Val	Leu	Ser	Ala	Asn	Leu	His	Gly	Gly	Asp	Leu	Val	Ala	Asn	Tyr	Pro			
			260					265					270					
Tyr	Asp	Glu	Thr	Arg	Ser	Gly	Ser	Ala	His	Glu	Tyr	Ser	Ser	Ser	Pro			
	275					280						285						
Asp	Asp	Ala	Ile	Phe	Gln	Ser	Leu	Ala	Arg	Ala	Tyr	Ser	Ser	Phe	Asn			
	290					295					300							
Pro	Ala	Met	Ser	Asp	Pro	Asn	Arg	Pro	Pro	Cys	Arg	Lys	Asn	Asp	Asp			
305					310					315					320			
Asp	Ser	Ser	Phe	Val	Asp	Gly	Thr	Thr	Asn	Gly	Gly	Ala	Trp	Tyr	Ser			
			325						330					335				
Val	Pro	Gly	Gly	Met	Gln	Asp	Phe	Asn	Tyr	Leu	Ser	Ser	Asn	Cys	Phe			
		340						345					350					
Glu	Ile	Thr	Val	Glu	Leu	Ser	Cys	Glu	Lys	Phe	Pro	Pro	Glu	Glu	Thr			
	355						360					365						
Leu	Lys	Thr	Tyr	Trp	Glu	Asp	Asn	Lys	Asn	Ser	Leu	Ile	Ser	Tyr	Leu			
	370					375					380							
Glu	Gln	Ile	His	Arg	Gly	Val	Lys	Gly	Phe	Val	Arg	Asp	Leu	Gln	Gly			
385					390					395					400			
Asn	Pro	Ile	Ala	Asn	Ala	Thr	Ile	Ser	Val	Glu	Gly	Ile	Asp	His	Asp			
			405						410					415				
Val	Thr	Ser	Ala	Lys	Asp	Gly	Asp	Tyr	Trp	Arg	Leu	Leu	Ile	Pro	Gly			
			420					425					430					
Asn	Tyr	Lys	Leu	Thr	Ala	Ser	Ala	Pro	Gly	Tyr	Leu	Ala	Ile	Thr	Lys			
	435						440					445						
Lys	Val	Ala	Val	Pro	Tyr	Ser	Pro	Ala	Ala	Gly	Val	Asp	Phe	Glu	Leu			
	450					455					460							
Glu	Ser	Phe	Ser	Glu	Arg	Lys	Glu	Glu	Glu	Lys	Glu	Glu	Leu	Met	Glu			
465					470					475					480			

Trp Trp Lys Met Met Ser Glu Thr Leu Asn Phe
485 490

<210> 1036
<211> 255
<212> PRT
<213> Homo sapiens

<400> 1036
Leu Leu Leu Trp Thr Met Ser Val Ile Phe Phe Ala Cys Val Val Arg
1 5 10 15
Val Arg Asp Gly Leu Pro Leu Ser Ala Ser Thr Asp Phe Tyr His Thr
20 25 30
Gln Asp Phe Leu Glu Trp Arg Arg Arg Leu Lys Ser Leu Ala Leu Arg
35 40 45
Leu Ala Gln Tyr Pro Gly Arg Gly Ser Ala Glu Gly Cys Asp Phe Ser
50 55 60
Ile His Phe Ser Ser Phe Gly Asp Val Ala Cys Met Ala Ile Cys Ser
65 70 75 80
Cys Gln Cys Pro Ala Ala Met Ala Phe Cys Phe Leu Glu Thr Leu Trp
85 90 95
Trp Glu Phe Thr Ala Ser Tyr Asp Thr Thr Cys Ile Gly Leu Ala Ser
100 105 110
Arg Pro Tyr Ala Phe Leu Glu Phe Asp Ser Ile Ile Gln Lys Val Lys
115 120 125
Trp His Phe Asn Tyr Val Ser Ser Ser Gln Met Glu Cys Ser Leu Glu
130 135 140
Lys Ile Gln Glu Glu Leu Lys Leu Gln Pro Pro Ala Val Leu Thr Leu
145 150 155 160
Glu Asp Thr Asp Val Ala Asn Gly Val Met Asn Gly His Thr Pro Met
165 170 175
His Leu Glu Pro Ala Pro Asn Phe Arg Met Glu Pro Val Thr Ala Leu
180 185 190
Gly Ile Leu Ser Leu Ile Leu Asn Ile Met Cys Ala Ala Leu Asn Leu
195 200 205
Ile Arg Gly Val His Leu Ala Glu His Ser Leu Gln Val Ala His Glu
210 215 220
Glu Ile Gly Asn Ile Leu Ala Phe Leu Val Pro Phe Val Ala Cys Ile
225 230 235 240

Phe Gln Asp Pro Arg Ser Trp Phe Cys Trp Leu Asp Gln Thr Ser
245 250 255

<210> 1037
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1037
Met Leu Leu Leu Leu Val Phe Leu Val Ala Cys Phe Ile Asn Arg Lys
1 5 10 15
Cys Gln Lys Gln Arg Lys Lys Lys Pro Ala Glu Asp Ile Leu Glu Glu
20 25 30
Tyr Pro Leu Asn Thr Lys Val Glu Val Pro Lys Xaa His Pro Asp Arg
35 40 45
Val Glu Lys Asn Val Asn Arg His Tyr Cys Thr Val Arg Asn Val Asn
50 55 60
Ile Leu Ser Glu Pro Glu Ala Ala Tyr Thr Phe Lys Gly Ala Lys Val
65 70 75 80
Lys Arg Leu Asn Leu Glu Val Arg Val His Asn Asn Leu Gln Asp Gly
85 90 95
Thr Glu Val

<210> 1038
<211> 5
<212> PRT
<213> Homo sapiens

<400> 1038
Met Pro Val Leu Leu
1 5

<210> 1039
<211> 99
<212> PRT
<213> Homo sapiens

<400> 1039
Met Leu Leu Leu Leu Val Phe Leu Val Ala Cys Phe Ile Asn Arg Lys

1	5	10	15
Cys Gln Lys Gln Arg Lys Lys Lys Pro Ala Glu Asp Ile Leu Glu Glu	20	25	30
Tyr Pro Leu Asn Thr Lys Val Glu Val Pro Lys Arg His Pro Asp Arg	35	40	45
Val Glu Lys Asn Val Asn Arg His Tyr Cys Thr Val Arg Asn Val Asn	50	55	60
Ile Leu Ser Glu Pro Glu Ala Ala Tyr Thr Phe Lys Gly Ala Lys Val	65	70	75
Lys Arg Leu Asn Leu Glu Val Arg Val His Asn Asn Leu Gln Asp Gly	85	90	95
Thr Glu Val			

<210> 1040
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 1040
Leu Leu Asp Leu Thr Asn Arg Leu Val Thr Cys Ile Asp Gln Ser Lys
1 5 10 15
Pro Asn Ile Leu Ala Ser Leu Ser Leu Ala Glu Gln Thr Arg Val Gly
20 25 30
Ile Trp Val Gly Ala Phe Ser Ile Lys Asp Asn Leu Ser Leu Cys Ser
35 40 45
Gln Gly Glu His Leu Cys Phe Val Leu Lys Ala Gly Ser Pro Trp Phe
50 55 60
Ala Asn Cys Leu Gln Glu
65 70

<210> 1041
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1041
Met Leu Gln Tyr Thr Trp Leu Ile Leu Val Phe Leu Ser Ser Cys Leu
1 5 10 15
Ser Ala Thr Trp Phe Cys Lys Val Val Val Ala Ala Ile Gly Ser Thr
20 25 30

Val Gly Ser Ser Arg Leu His Phe Lys Arg Ser Gly Gln Cys Leu Arg
35 40 45

<210> 1042
<211> 48
<212> PRT
<213> Homo sapiens

<400> 1042
Met Leu Gln Tyr Thr Trp Leu Ile Leu Val Phe Leu Ser Ser Cys Leu
1 5 10 15
Ser Ala Thr Trp Phe Cys Lys Val Val Val Ala Ala Ile Gly Ser Thr
20 25 30
Val Gly Ser Ser Arg Leu His Phe Lys Arg Ser Gly Gln Cys Leu Arg
35 40 45

<210> 1043
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1043
Met Val Ala Val Asp Phe Ser Cys Leu Ser Phe Ile Leu Leu Gly Ile
1 5 10 15
Leu Val Leu Tyr Ile Tyr Phe Val Met Tyr Ala Cys Ser Ile Pro Thr
20 25 30
Leu Phe Ser Val Phe Tyr Xaa Glu Glu Met Leu Asn Leu Ser Lys Leu
35 40 45

Ser Cys Ile Tyr
50

<210> 1044
<211> 13
<212> PRT
<213> Homo sapiens

<400> 1044

Cys Phe His Phe Phe Leu Cys Pro Ile Leu Val Leu Val
1 5 10

<210> 1045

<211> 1

<212> PRT

<213> Homo sapiens

<400> 1045

Cys
1

<210> 1046

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1046

Met Val Ala Val Asp Phe Ser Cys Leu Ser Phe Ile Leu Leu Gly Ile
1 5 10 15

Leu Val Leu Tyr Ile Tyr Phe Val Met Tyr Ala Cys Ser Ile Pro Thr
20 25 30

Leu Phe Ser Val Leu
35

<210> 1047

<211> 6

<212> PRT

<213> Homo sapiens

<400> 1047

Asn Leu Ser Lys Ile Ile
1 5

<210> 1048

<211> 183

<212> PRT

<213> Homo sapiens

<400> 1048

Met Met Asn Val Ser Lys Ile Ser Phe Phe Ala Met Phe Leu Met Tyr
1 5 10 15

Leu Leu Ala Ala Leu Phe Gly Tyr Leu Thr Phe Tyr Glu His Val Glu
20 25 30

Ser Glu Leu Leu His Thr Tyr Ser Ser Ile Leu Gly Thr Asp Ile Leu
 35 40 45
 Leu Leu Ile Val Arg Leu Ala Val Leu Met Ala Val Thr Leu Thr Val
 50 55 60
 Pro Val Val Ile Phe Pro Ile Arg Ser Ser Val Thr His Leu Leu Cys
 65 70 75 80
 Ala Ser Lys Asp Phe Ser Trp Trp Arg His Ser Leu Ile Thr Val Ser
 85 90 95
 Ile Leu Ala Phe Thr Asn Leu Leu Val Ile Phe Val Pro Thr Ile Arg
 100 105 110
 Asp Ile Phe Gly Phe Ile Gly Ala Ser Ala Ala Ser Met Leu Ile Phe
 115 120 125
 Ile Leu Pro Ser Ala Phe Tyr Ile Lys Leu Val Lys Lys Glu Pro Met
 130 135 140
 Lys Ser Val Gln Lys Ile Gly Ala Leu Phe Phe Leu Leu Ser Gly Val
 145 150 155 160
 Leu Val Met Thr Gly Ser Met Ala Leu Ile Val Leu Asp Trp Val His
 165 170 175
 Asn Ala Pro Gly Gly Gly His
 180

<210> 1049
 <211> 183
 <212> PRT
 <213> Homo sapiens

<400> 1049
 Met Met Asn Val Ser Lys Ile Ser Phe Phe Ala Met Phe Leu Met Tyr
 1 5 10 15
 Leu Leu Ala Ala Leu Phe Gly Tyr Leu Thr Phe Tyr Glu His Val Glu
 20 25 30
 Ser Glu Leu Leu His Thr Tyr Ser Ser Ile Leu Gly Thr Asp Ile Leu
 35 40 45
 Leu Leu Ile Val Arg Leu Ala Val Leu Met Ala Val Thr Leu Thr Val
 50 55 60
 Pro Val Val Ile Phe Pro Ile Arg Ser Ser Val Thr His Leu Leu Cys
 65 70 75 80
 Ala Ser Lys Asp Phe Ser Trp Trp Arg His Ser Leu Ile Thr Val Ser
 85 90 95

Ile	Leu	Ala	Phe	Thr	Asn	Leu	Leu	Val	Ile	Phe	Val	Pro	Thr	Ile	Arg
			100					105					110		
Asp	Ile	Phe	Gly	Phe	Ile	Gly	Ala	Ser	Ala	Ala	Ser	Met	Leu	Ile	Phe
		115					120					125			
Ile	Leu	Pro	Ser	Ala	Phe	Tyr	Ile	Lys	Leu	Val	Lys	Lys	Glu	Pro	Met
	130					135					140				
Lys	Ser	Val	Gln	Lys	Ile	Gly	Ala	Leu	Phe	Phe	Leu	Leu	Ser	Gly	Val
145					150					155					160
Leu	Val	Met	Thr	Gly	Ser	Met	Ala	Leu	Ile	Val	Leu	Asp	Trp	Val	His
				165					170					175	
Asn	Ala	Pro	Gly	Gly	Gly	His									
			180												

<210> 1050
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

Pro	Gly	Pro	Pro	Leu	Ser	Phe	Phe	Xaa	Phe	Phe	Phe	Phe	Phe	Phe	Phe
1				5				10						15	
Phe	Phe	Phe	Phe	Phe	Phe	Phe	Lys	His	Cys	Ile	Gln	Val	Ser	Leu	
			20					25					30		

<210> 1051
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

Met	Asn	His	Cys	Cys	Ser	Ser	Gln	Arg	Phe	Leu	Asn	Ile	Leu	Ser	Phe
1				5					10					15	
Cys	Ile	Ser	Pro	Pro	Phe	Pro	Leu	Thr	Phe	Ile	Tyr	Leu	Ile	Met	Tyr
			20					25					30		

Leu Phe Ile Tyr Leu Tyr Thr Phe Ala Pro Phe Ser Thr Asn Thr Lys

	35		40		45									
Gln	Ser	Lys	Lys	Lys	Xaa	Tyr	Ile	Tyr	Ile	Ser	Val	Tyr	Val	Leu
	50					55					60			

<210> 1052
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 1052															
Met	Asn	His	Cys	Cys	Ser	Ser	Gln	Arg	Phe	Leu	Asn	Ile	Leu	Ser	Phe
1				5					10					15	
Cys	Ile	Ser	Pro	Pro	Phe	Pro	Leu	Thr	Phe	Ile	Tyr	Leu	Ile	Met	Tyr
			20					25					30		
Leu	Phe	Ile	Tyr	Leu	Tyr	Thr	Phe	Ala	Pro	Phe	Ser	Thr	Asn	Thr	Lys
		35					40					45			
Gln	Ser	Lys	Lys	Lys	Lys	Tyr	Ile	Tyr	Ile	Ser	Val	Tyr	Val	Leu	
		50				55					60				

<210> 1053
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1053															
Ala	Asp	Asn	Asn	Phe	Thr	Gln	Glu	Xaa	Ala	Met	Thr	Met	Ile	Thr	Pro
1				5					10					15	
Ser	Ser	Lys	Leu	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr
			20					25					30		
Ala	Val	Ala	Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn
		35					40					45			
Ser	Ala	Arg	Asp	Asn	Gln	Phe	Ile	Leu	Leu	Asn	Trp	His	Ile	Leu	Asn
		50				55					60				
His	Asp	Ser	Gln	Gln	Leu	Gly	Asn	Ile	Phe	Phe					
65					70					75					

<210> 1054
 <211> 113

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1054
Cys Gly Val Phe Trp Leu Leu Ser Leu Leu Cys Cys Ile Lys Glu Gln
1 5 10 15
Gln Phe Glu Gln Val Val Ala Leu Leu Leu Gln Ser Ile Arg Xaa Cys
20 25 30
Gln Asp Arg Ala Leu Leu Val Asn Asn Ala Tyr Gln Gly Leu Ala Ser
35 40 45
Leu Val Lys Val Ser Glu Leu Ala Ala Phe Lys Val Val Val Gln Glu
50 55 60
Glu Gly Gly Ser Gly Leu Ser Leu Ile Lys Glu Thr Tyr Gln Xaa His
65 70 75 80
Arg Gly Arg Thr Arg Arg Trp Trp Glu Asn Val Gly Met Leu Leu Val
85 90 95
Pro Pro Gly Phe Leu Xaa Arg Arg Ser Cys Arg Ser Trp Cys Xaa Val
100 105 110

Val

<210> 1055
<211> 2
<212> PRT
<213> Homo sapiens

<400> 1055
Ile Leu

1

<210> 1056
<211> 161
<212> PRT
<213> Homo sapiens

<400> 1056

Met	Ala	Glu	Ala	Ser	Cys	Gly	Val	Phe	Trp	Leu	Leu	Ser	Leu	Leu	Cys
1				5					10					15	
Cys	Ile	Lys	Glu	Gln	Gln	Phe	Glu	Gln	Val	Val	Ala	Leu	Leu	Leu	Gln
			20					25						30	
Ser	Ile	Arg	Leu	Cys	Gln	Asp	Arg	Ala	Leu	Leu	Val	Asn	Asn	Ala	Tyr
		35					40					45			
Gln	Gly	Leu	Ala	Ser	Leu	Val	Lys	Val	Ser	Glu	Leu	Ala	Ala	Phe	Lys
	50					55					60				
Val	Val	Val	Gln	Glu	Glu	Gly	Gly	Ser	Gly	Leu	Ser	Leu	Ile	Lys	Glu
65					70					75					80
Thr	Tyr	Gln	Leu	His	Arg	Asp	Asp	Pro	Glu	Val	Val	Glu	Asn	Val	Gly
				85					90					95	
Met	Leu	Leu	Val	His	Leu	Ala	Ser	Tyr	Glu	Glu	Ile	Leu	Pro	Glu	Leu
			100					105					110		
Val	Ser	Ser	Ser	Met	Lys	Ala	Leu	Leu	Gln	Glu	Ile	Lys	Glu	Arg	Phe
			115				120					125			
Thr	Ser	Ser	Leu	Glu	Leu	Val	Ser	Cys	Val	Glu	Lys	Val	Leu	Leu	Arg
			130			135					140				
Leu	Glu	Ala	Ala	Thr	Ser	Pro	Ser	Pro	Leu	Gly	Gly	Glu	Ala	Ala	Gln
145					150					155					160

Pro

<210> 1057
<211> 491
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1057

Ala	Ala	Arg	Val	Gly	Arg	His	Gly	Arg	Arg	Arg	Arg	Ser	Ala	Ala	Met
1				5					10					15	

Ala	Gly	Arg	Gly	Gly	Ser	Ala	Leu	Leu	Ala	Leu	Cys	Gly	Ala	Leu	Ala
			20					25					30		

Ala	Cys	Gly	Trp	Leu	Leu	Gly	Ala	Glu	Xaa	Xaa	Xaa	Pro	Gly	Ala	Pro
		35					40					45			

Ala	Ala	Gly	Met	Arg	Arg	Arg	Arg	Arg	Leu	Gln	Gln	Glu	Asp	Gly	Ile
	50					55					60				

Ser	Phe	Glu	Tyr	His	Arg	Tyr	Pro	Glu	Leu	Arg	Glu	Ala	Leu	Val	Ser
65					70					75					80

Val	Trp	Leu	Gln	Cys	Thr	Ala	Ile	Ser	Arg	Ile	Tyr	Thr	Val	Gly	Arg
				85					90					95	

Ser	Phe	Glu	Gly	Arg	Glu	Leu	Leu	Val	Ile	Glu	Leu	Ser	Asp	Asn	Pro
			100					105					110		

Gly	Val	His	Glu	Pro	Gly	Glu	Pro	Glu	Phe	Lys	Tyr	Ile	Gly	Asn	Met
		115					120					125			

His	Gly	Asn	Glu	Ala	Val	Gly	Arg	Glu	Leu	Leu	Ile	Phe	Leu	Ala	Gln
	130					135					140				

Tyr	Leu	Cys	Asn	Glu	Tyr	Gln	Lys	Gly	Asn	Glu	Thr	Ile	Val	Asn	Leu
145					150					155					160

Ile	His	Ser	Thr	Arg	Ile	His	Ile	Met	Pro	Ser	Leu	Asn	Pro	Asp	Gly
				165					170					175	

Phe	Glu	Lys	Ala	Ala	Ser	Gln	Pro	Gly	Glu	Leu	Lys	Asp	Trp	Phe	Val
			180					185					190		

Gly	Arg	Ser	Asn	Ala	Gln	Gly	Ile	Asp	Leu	Asn	Arg	Asn	Phe	Pro	Asp
		195					200					205			

Leu	Asp	Arg	Ile	Val	Tyr	Val	Asn	Glu	Lys	Glu	Gly	Gly	Pro	Asn	Asn
	210					215					220				

His	Leu	Leu	Lys	Asn	Met	Lys	Lys	Ile	Val	Asp	Gln	Asn	Thr	Lys	Leu
225					230					235					240

Ala	Pro	Glu	Thr	Lys	Ala	Val	Ile	His	Trp	Ile	Met	Asp	Ile	Pro	Phe
				245					250					255	

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1058
Met Arg Leu Ala Ser Ser Leu Ser Val Phe Pro Leu Leu Pro Xaa Thr
1 5 10 15
Cys Gly His Ser Xaa Ala Leu Leu Pro Ser Ser Ile Gly Gln His Ser
20 25 30
Glu Thr Phe Thr Arg Cys Arg Pro Leu Thr Phe Pro Val Phe Arg Thr
35 40 45
Xaa Lys Pro Met Asn Pro Tyr Glu Ile Thr Gln Phe Cys Gly Ile Leu
50 55 60
Xaa Xaa Ala Thr Gln Thr Gly Leu Lys Thr Gly Thr Leu His Gly
65 70 75

<210> 1059
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1059
Arg Glu Lys Ser Ser Leu Ser Val Pro Val Leu Val Cys Leu Cys Cys
1 5 10 15
Tyr Asn Arg Ile
20

<210> 1060
<211> 244
<212> PRT
<213> Homo sapiens

<400> 1060

Leu	Val	Pro	Leu	Val	Phe	Ser	Leu	Leu	Val	Gln	Ser	Cys	Lys	Gln	Val
1				5					10					15	
Tyr	Arg	Ser	Ile	Ala	Met	Lys	Phe	Val	Pro	Cys	Leu	Leu	Leu	Val	Thr
			20					25						30	
Leu	Ser	Cys	Leu	Gly	Thr	Leu	Gly	Gln	Ala	Pro	Arg	Gln	Lys	Gln	Gly
		35					40					45			
Ser	Thr	Gly	Glu	Glu	Phe	His	Phe	Gln	Thr	Gly	Gly	Arg	Asp	Ser	Cys
	50					55					60				
Thr	Met	Arg	Pro	Ser	Ser	Leu	Gly	Gln	Gly	Ala	Gly	Glu	Val	Trp	Leu
65					70					75					80
Arg	Val	Asp	Cys	Arg	Asn	Thr	Asp	Gln	Thr	Tyr	Trp	Cys	Glu	Tyr	Arg
				85					90					95	
Gly	Gln	Pro	Ser	Met	Cys	Gln	Ala	Phe	Ala	Ala	Asp	Pro	Lys	Ser	Tyr
			100					105					110		
Trp	Asn	Gln	Ala	Leu	Gln	Glu	Leu	Arg	Arg	Leu	His	His	Ala	Cys	Gln
	115						120					125			
Gly	Ala	Pro	Val	Leu	Arg	Pro	Ser	Val	Cys	Arg	Glu	Ala	Gly	Pro	Gln
	130					135					140				
Ala	His	Met	Gln	Gln	Val	Thr	Ser	Ser	Leu	Lys	Gly	Ser	Pro	Glu	Pro
145					150					155					160
Asn	Gln	Gln	Pro	Glu	Ala	Gly	Thr	Pro	Ser	Leu	Arg	Pro	Lys	Ala	Thr
				165					170					175	
Val	Lys	Leu	Thr	Glu	Ala	Thr	Gln	Leu	Gly	Lys	Asp	Ser	Met	Glu	Glu
			180					185					190		
Leu	Gly	Lys	Ala	Lys	Pro	Thr	Thr	Arg	Pro	Thr	Ala	Lys	Pro	Thr	Gln
		195					200					205			
Pro	Gly	Pro	Arg	Pro	Gly	Gly	Asn	Glu	Glu	Ala	Lys	Lys	Lys	Ala	Trp
	210					215					220				
Glu	His	Cys	Trp	Lys	Pro	Phe	Gln	Ala	Leu	Cys	Ala	Phe	Leu	Ile	Ser
225					230					235					240
Phe	Phe	Arg	Gly												

<210> 1061

<211> 70

<212> PRT

<213> Homo sapiens

<400> 1061

Met	Arg	Leu	Ala	Ser	Ser	Leu	Ser	Val	Phe	Pro	Leu	Leu	Pro	Leu	Thr
1				5					10					15	
Cys	Gly	His	Ser	Leu	Ala	Leu	Leu	Pro	Ser	Ser	Ile	Gly	Gln	His	Ser
			20					25					30		
Glu	Thr	Phe	Thr	Arg	Cys	Arg	Pro	Leu	Thr	Phe	Pro	Val	Phe	Arg	Thr
		35					40					45			
Ile	Asn	Gln	Val	Asn	Pro	Tyr	Lys	Ser	Pro	Ser	Leu	Trp	Tyr	Ser	Val
	50					55					60				
Ile	Ala	Thr	Gln	Thr	Asp										
65					70										

<210> 1062
 <211> 304
 <212> PRT
 <213> Homo sapiens

Thr	Cys	Pro	Leu	Leu	Arg	Asn	Ser	Ser	His	Ala	Glu	Pro	Ala	His	Arg
1				5					10					15	
Gln	Asp	Gly	Asp	Leu	Ala	Leu	Thr	Pro	Cys	Leu	Gly	Pro	Gly	Leu	Gly
			20					25					30		
Asn	Pro	Gly	Arg	Val	Arg	Gln	Lys	Ala	Gly	Asn	Arg	Ser	Ser	Gly	Gly
		35					40					45			
Tyr	Ser	Leu	Arg	Gly	Gln	Gln	His	Leu	Gly	Pro	Leu	Leu	Leu	Ala	Thr
	50					55					60				
Ala	Gly	Ala	Ala	Gly	Ala	Arg	Glu	Arg	Gly	Gln	Ala	Leu	His	Gly	Val
65					70					75					80
Glu	Met	Val	Ala	Val	Arg	Ala	Asp	Val	Trp	His	Val	Arg	Gly	Arg	Trp
				85					90					95	
Arg	Gln	Leu	Gly	His	Arg	Pro	Val	Ala	Arg	Leu	His	Gln	Leu	Phe	Ala
			100					105					110		
Val	Val	Leu	Phe	Gln	Gln	Leu	Leu	Gln	Gly	Arg	Ser	Ile	Leu	Phe	Leu
		115					120					125			
Leu	Cys	Asp	Gln	Ala	His	Gln	Asp	Pro	Asn	Gly	Val	Leu	Ile	Gly	Ile
	130					135					140				
Leu	Ser	Pro	Val	Gly	Arg	Val	Asp	Ser	Thr	Ala	Ser	Thr	Ser	Arg	Ala
145					150					155					160
Gly	Pro	Asp	Leu	Leu	Val	Arg	Arg	Ala	Val	Val	Ala	Leu	Pro	Leu	Glu
			165						170					175	
Glu	Val	Ala	His	Gln	Asp	Ala	Gln	Gln	Pro	His	Glu	Ala	Glu	Asp	Arg

			180					185					190				
Asp	Asp	Gly	Asp	Asp	Arg	Val	Leu	Gly	Gly	Cys	Leu	Leu	Trp	Ala	Thr		
		195					200					205					
Cys	Pro	Gly	Ala	Val	Pro	Arg	Leu	Pro	Cys	Leu	Thr	Thr	Ala	Ala	Gly		
	210					215					220						
Pro	Cys	Cys	His	Leu	His	Ala	Thr	Ser	Gly	Pro	Pro	Pro	Pro	Leu	Ile		
225					230					235					240		
Thr	Ala	Met	Ser	Thr	Gln	Arg	Cys	Pro	Gly	Thr	Trp	Leu	Thr	Trp	Asn		
				245					250					255			
Ala	Gly	Asn	Pro	Pro	Arg	Pro	Lys	Pro	Pro	Arg	Pro	Ala	Val	Ser	Thr		
			260					265					270				
Glu	Cys	Ile	Ser	Ser	Cys	His	Ala	His	Leu	Gly	Leu	Gln	Pro	Pro	Pro		
	275						280					285					
Lys	Ala	Ala	Thr	Gly	Met	Gly	Leu	Ala	Trp	Ala	Gly	Ala	Pro	Cys	Ser		
	290					295					300						

<210> 1063
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1063
 Met Gly Gly Cys Leu Leu Ser Leu Ser Leu Cys Phe Val Pro Val Val
 1 5 10 15
 Arg Leu Ala Ala Ser Val Ala Arg Trp Ala Trp Leu Glu Pro Trp Val
 20 25 30
 Arg Gln Val Ala Gly Gly Asp Arg Glu Arg Leu Arg Gly Lys Trp Trp
 35 40 45
 His Leu Leu Leu
 50

<210> 1064
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1064
 Met Gly Gly Cys Leu Leu Ser Leu Ser Leu Cys Phe Val Pro Val Val
 1 5 10 15

Arg Leu Ala Ala Ser Val Ala Arg Trp Ala Trp Leu Glu Pro Trp Val
20 25 30

Arg Gln Val Ala Gly Gly Asp Arg Glu Arg Leu Arg Gly Lys Trp Trp
35 40 45

His Leu Leu Leu
50

<210> 1065
<211> 58
<212> PRT
<213> Homo sapiens

<400> 1065
Asp Leu Ser Gly Gly Glu Trp Asn Val Thr Thr Arg Thr Arg Leu Trp
1 5 10 15

Glu Ile Gln Pro His Leu Cys Phe Val Met Ile Leu Lys Leu Asp Phe
20 25 30

Ser Cys Arg Asp Phe Leu Ser Ile Leu Pro Gly Val Leu Thr Tyr Ser
35 40 45

Leu Pro Val Lys Arg Phe Lys Lys Lys Asn
50 55

<210> 1066
<211> 21
<212> PRT
<213> Homo sapiens

<400> 1066
Cys Phe Phe Gln Leu Ser Pro Glu Glu Val Ser Trp Cys Pro Asn Val
1 5 10 15

Gly Ser Ser Phe Asp
20

<210> 1067
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1067
Met Gly Lys Leu Xaa Leu Thr Leu Leu Leu Cys Leu Leu Gln Leu Leu

1	5	10	15												
Pro	Pro	Glu	Val	Tyr	Tyr	Ser	Arg	Trp	Gly	Ala	Asn	Met	Met	Ala	Gln
		20						25					30		

Thr Pro Leu Asn Pro
35

<210> 1068
<211> 62
<212> PRT
<213> Homo sapiens

<400> 1068
Met Gly Lys Leu Thr Leu Thr Leu Leu Leu Cys Leu Leu Gln Leu Leu
1 5 10 15

Pro	Pro	Glu	Val	Tyr	Tyr	Ser	Arg	Trp	Gly	Ala	Asn	Met	Met	Ala	Gln
		20						25					30		

Thr	Pro	Leu	Asn	Ser	Met	Arg	Ser	Pro	Trp	Pro	Met	Glu	Ile	Leu	Leu
	35						40					45			

Phe	Phe	Pro	Leu	Phe	Ser	Ser	Ser	Val	Phe	Ile	Gly	Ser	Ala
50					55						60		

<210> 1069
<211> 63
<212> PRT
<213> Homo sapiens

<400> 1069
Met Ser Leu Asp Ser Leu Val Leu Val Lys Ala Leu Phe Cys Phe Thr
1 5 10 15

Phe	Val	Val	Gln	Ile	Thr	Leu	Ser	Asn	Ile	Ser	Ser	Thr	Asn	Val	Ser
		20						25					30		

Ile	Leu	Val	Phe	Val	His	Thr	Ala	Ile	Thr	Ser	Pro	Leu	Gln	Thr	Phe
	35						40					45			

Gln	Phe	Trp	His	Tyr	Glu	Glu	Val	Ala	Val	Asn	Leu	Lys	Tyr	Leu
50						55					60			

<210> 1070
<211> 63
<212> PRT
<213> Homo sapiens

<400> 1070
Met Ser Leu Asp Ser Leu Val Leu Val Lys Ala Leu Phe Cys Phe Thr

1	5	10	15
Phe Val Val Gln Ile Thr Leu Ser Asn Ile Ser Ser Thr Asn Val Ser			
20	25	30	
Ile Leu Val Phe Val His Thr Ala Ile Thr Ser Pro Leu Gln Thr Phe			
35	40	45	
Gln Phe Trp His Tyr Glu Glu Val Ala Val Asn Leu Lys Tyr Leu			
50	55	60	

<210> 1071
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 1071
 Leu Gln
 1

<210> 1072
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 1072
 Leu Gln
 1

<210> 1073
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1073
 Met Gly Leu Arg Gln Gln Leu Glu Leu Lys Leu Lys Leu Ile Leu Leu

1	5	10	15
Leu Cys Val Phe Trp Phe Lys Ser Cys Thr Tyr Ile Leu Ala Leu Leu			
20	25	30	
Phe Leu Tyr Ser Gly Xaa Met Trp Val Xaa His Xaa Gly Arg Lys Ile			
35	40	45	

<210> 1074
 <211> 261
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (93)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (169)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (237)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (239)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (240)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (253)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1074
 Thr Val Ala Asp Val Arg Arg Pro Phe Ala Gln Val Asn Val Leu Ala
 1 5 10 15

Glu Glu Val Leu Ile Tyr Arg Ile Val Leu Asn Asp Ile Val Gly Asp
 20 25 30
 Val Val Gln Asp His Gln Val Arg Leu Arg Arg Lys Asp Asp Ala Val
 35 40 45
 Ile Arg Gln Leu Glu Ala Thr Met Leu Val Gly Arg Lys His Arg His
 50 55 60
 Gly Asp Val Leu Val Arg Glu Thr Thr Val Ser Asp Ala Arg Pro Glu
 65 70 75 80
 Asp Arg Val His Phe Arg His Val Cys Xaa Pro Gln Xaa Lys Arg Val
 85 90 95
 Ser Leu Leu Asp Val Val Ile Ala Ala His Arg Leu Ile His Thr Lys
 100 105 110
 Gly Thr His Lys Ala Asn Tyr Cys Arg Arg His Thr Val Thr Arg Val
 115 120 125
 Arg Val Asp Val Val Arg Thr Glu Ala Arg Phe Lys Gln Leu Gly Arg
 130 135 140
 Gly Ile Thr Phe Pro Asp Ser Pro Leu Thr Arg Thr Glu His Thr Asp
 145 150 155 160
 Arg Phe Arg Pro Phe Phe Phe Gln Xaa Gly Phe Glu Phe Leu Phe His
 165 170 175
 His Ile Glu Gly Leu Ile Pro Gly Asp Trp Gly Lys Phe Ala Phe Phe
 180 185 190
 Val Ile Phe Thr Val Phe His Thr Gln Gln Arg Leu Arg Gln Thr Val
 195 200 205
 Phe Thr Val His Asp Phe Gly Gln Glu Ile Ala Leu Asn Ala Val Gln
 210 215 220
 Ala Thr Val Asn Arg Cys Val Arg Val Ala Leu Thr Xaa Gln Xaa Xaa
 225 230 235 240
 Val Pro Ala Ala Phe Arg Pro Glu Arg Arg Asn Gln Xaa Arg Arg Thr
 245 250 255
 Thr Gln Phe Ala Ile
 260

<210> 1075
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 1075
 Phe Tyr Thr Asn Val Thr Tyr Lys Ser Asp Ala Thr Thr Leu Arg Phe

1	5	10	15
Pro Gly Arg Cys Asp Phe Ser Ser Ala Trp Glu Val Asp Leu His Gln			
20	25	30	
Pro Phe Gln Cys Ser Ala His Pro Gly Ala Gly Ile Thr Ala Pro His			
35	40	45	
Leu Leu Gly Glu Lys Pro Gly Arg Pro Glu Glu Val Gly			
50	55	60	

<210> 1076
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 1076
Met Gly Leu Arg Gln Gln Leu Glu Leu Lys Leu Lys Leu Ile Leu Leu
1 5 10 15
Leu Cys Val Phe Trp Phe Lys Ser Cys Thr Tyr Ile Leu Ala Leu Leu
20 25 30
Phe Ser Val Val Pro Glu Arg Trp Trp Val Ala Ile Leu Val Gly Lys
35 40 45
Ser Glu Phe Ser Tyr Leu
50

<210> 1077
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 1077
Gln Tyr Leu Leu Ile
1 5

<210> 1078
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1078

Met	Xaa	Ala	Ser	Gln	Tyr	Ile	Leu	Phe	Phe	Leu	Gln	Xaa	Leu	Gly	Xaa
1				5					10					15	

Lys	Leu	Gln	Phe	Gln	Gly	Ile	Ser	Ser	Gln	Gln	Gln	Val	Glu
			20					25					30

<210> 1079

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1079

Met	Arg	Ala	Ser	Gln	Tyr	Ile	Leu	Phe	Phe	Leu	Gln	Phe	Leu	Gly	Phe
1				5					10					15	

Lys	Leu	Gln	Phe	Gln	Gly	Ile	Ser	Ser	Gln	Gln	Gln	Val	Glu
			20					25					30

<210> 1080

<211> 7

<212> PRT

<213> Homo sapiens

<400> 1080

Met	Phe	Gly	Cys	Pro	Phe	Cys
1				5		

<210> 1081

<211> 261

<212> PRT

<213> Homo sapiens

<400> 1081

Gly	Ile	Phe	Arg	Ser	Leu	Arg	Val	Leu	Phe	Pro	Leu	Phe	Ser	Val	Gly
1				5					10					15	

Arg	Pro	Gln	Phe	Ala	Arg	Ser	Leu	Ser	Ala	Ala	Pro	Gln	Leu	Ser	Asp
			20					25						30	

Thr	Ala	Asp	Thr	Met	Gly	Phe	Gly	Asp	Leu	Lys	Ser	Pro	Ala	Gly	Leu
		35					40					45			

Gln Val Leu Asn Asp Tyr Leu Ala Asp Lys Ser Tyr Ile Glu Gly Tyr

50					55					60					
Val	Pro	Ser	Gln	Ala	Asp	Val	Ala	Val	Phe	Glu	Ala	Val	Ser	Ser	Pro
65					70					75					80
Pro	Pro	Ala	Asp	Leu	Cys	His	Ala	Leu	Arg	Trp	Tyr	Asn	His	Ile	Lys
				85					90					95	
Ser	Tyr	Glu	Lys	Glu	Lys	Ala	Ser	Leu	Pro	Gly	Val	Lys	Lys	Ala	Leu
			100					105					110		
Gly	Lys	Tyr	Gly	Pro	Ala	Asp	Val	Glu	Asp	Thr	Thr	Gly	Ser	Gly	Ala
		115					120					125			
Thr	Asp	Ser	Lys	Asp	Asp	Asp	Asp	Ile	Asp	Leu	Phe	Gly	Ser	Asp	Asp
	130					135					140				
Glu	Glu	Glu	Ser	Glu	Glu	Ala	Lys	Arg	Leu	Arg	Glu	Glu	Arg	Leu	Ala
145					150				155						160
Gln	Tyr	Glu	Ser	Lys	Lys	Ala	Lys	Lys	Pro	Ala	Leu	Val	Ala	Lys	Ser
				165					170					175	
Ser	Ile	Leu	Leu	Asp	Val	Lys	Pro	Trp	Asp	Asp	Glu	Thr	Asp	Met	Ala
		180						185					190		
Lys	Leu	Glu	Glu	Cys	Val	Arg	Ser	Ile	Gln	Ala	Asp	Gly	Leu	Val	Trp
		195					200					205			
Gly	Ser	Ser	Lys	Leu	Val	Pro	Val	Gly	Tyr	Gly	Ile	Lys	Lys	Leu	Gln
	210					215					220				
Ile	Gln	Cys	Val	Val	Glu	Asp	Asp	Lys	Val	Gly	Thr	Asp	Met	Leu	Glu
225					230					235					240
Glu	Gln	Ile	Thr	Ala	Phe	Glu	Asp	Tyr	Val	Gln	Ser	Met	Asp	Val	Ala
				245					250					255	
Ala	Phe	Asn	Lys	Ile											
			260												

<210> 1082
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 1082
 Phe Leu Leu Ser Leu His Leu Ala Ala Leu Gln
 1 5 10

<210> 1083
 <211> 41
 <212> PRT

<213> Homo sapiens

<400> 1083

Met	Pro	Gly	Gly	Thr	Pro	Cys	Leu	Ala	Val	Pro	Ser	Ala	Asn	Thr	Glu
1				5					10					15	
Ile	Lys	Leu	Trp	Ile	Trp	Tyr	Gln	Glu	Trp	Trp	Leu	Met	Pro	Val	Ile
			20					25					30		
Pro	Ala	Leu	Trp	Glu	Ala	Glu	Asn	Ser							
		35					40								

<210> 1084

<211> 141

<212> PRT

<213> Homo sapiens

<400> 1084

Gly	Gly	Glu	Arg	His	Leu	His	Arg	Thr	His	Pro	Arg	Leu	Pro	Gly	His
1				5					10					15	
Arg	Phe	Leu	Arg	Leu	His	Arg	Ala	Pro	Arg	Val	Pro	His	Val	Cys	Gly
			20					25					30		
Val	Arg	Ala	His	Gly	Ala	Gly	Val	Pro	His	Leu	Val	Ser	Gly	Gly	Asp
		35					40					45			
Glu	Val	Ser	Pro	Gly	Gly	Ala	Gly	Pro	Val	Ser	His	Ser	Ala	Glu	Glu
		50				55					60				
Gln	Pro	Val	His	Gln	Val	Asp	Arg	Leu	Cys	Gly	Ala	Cys	Pro	Gly	Gln
65				70						75					80
Arg	Val	Phe	Leu	Cys	Pro	Gly	Glu	Pro	Gly	Ala	Lys	Ser	Gly	Arg	His
				85					90					95	
Leu	Ser	Gly	Gly	Val	Pro	Pro	Tyr	Thr	Glu	Cys	Asp	His	Ala	Gln	Pro
			100					105					110		
Leu	Ala	Arg	Pro	Gly	Ala	Val	Glu	Ser	Cys	Asn	His	Glu	Val	Cys	Ala
		115					120					125			
Gln	Thr	Gly	Glu	Thr	Val	Gln	Pro	Leu	Met	Ala	Arg	Arg			
		130				135					140				

<210> 1085

<211> 45

<212> PRT

<213> Homo sapiens

<400> 1085

Met	Ser	Met	Lys	Cys	Tyr	Leu	Val	Val	Leu	Ile	Cys	Ile	Pro	Leu	Met
1				5					10					15	

Ala Thr Asp Ala Glu Cys Leu Phe Leu Cys Leu Arg Ala Met Arg Ile
20 25 30

Ser Leu Glu Lys Gly Leu Ser Arg Ser Phe Ala Tyr Phe
35 40 45

<210> 1086
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1086
Xaa Tyr Xaa Ser Cys Arg Lys Xaa Tyr Leu Thr Tyr Gly Xaa Asn Ser
1 5 10 15

Arg Val Asp Pro Arg Val Arg His Val Cys Gly Val Arg Ala His Gly
20 25 30

Ala Gly Val Pro His Leu Val Ser Gly Gly Asp Glu Val Ser Pro Gly
35 40 45

Gly Ala Gly Pro Val Ser His Ser Ala Glu Glu Gln Pro Val His Gln
50 55 60

Val Asp Arg Leu Cys Gly Ala Cys Pro Gly Gln Arg Val Phe Leu Cys
65 70 75 80

Pro Gly Glu Pro Gly Ala Lys Ser Gly Arg His Leu Ser Gly Gly Val
85 90 95

Pro Pro Tyr Thr Glu Cys Asp His Ala Gln Pro Leu Ala Arg Pro Gly
100 105 110

Ala Val Glu Ser Cys Asn His Glu Val Cys Ala Gln Thr Gly Glu Thr

115	120	125
Val Gln Pro Leu Met Ala Arg Arg		
130	135	

<210> 1087
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 1087
 Met Ser Met Lys Cys Tyr Leu Val Val Leu Ile Cys Ile Pro Leu Met
 1 5 10 15
 Ala Thr Asp Ala Glu Cys Leu Phe Leu Cys Leu Arg Ala Met Arg Ile
 20 25 30
 Ser Leu Glu Lys Gly Leu Ser Arg Ser Phe Ala Tyr Phe
 35 40 45

<210> 1088
 <211> 177
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (173)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1088
 Leu Asp Ile Lys Val Leu Gln Val Pro Thr Arg Leu Arg Ser Pro Ala
 1 5 10 15
 Gly Phe Thr Gln Trp Ile Gln His Trp Gly Ser Arg Trp Ser Cys Leu
 20 25 30
 Pro Val Pro Arg Cys Ala Pro Ala Leu Leu Ser Pro Trp Val Val Asp
 35 40 45
 Gly Thr Gly Arg Cys Gly Ala Gly Gly Gly Ala Pro Trp Gly Gly Ser
 50 55 60
 Gly Arg Thr Gly Ala His Gly Gly Trp Gly Glu Gly Gln Ala Trp Arg
 65 70 75 80
 Ala Ala Gly Pro Glu Pro Cys Pro Ala Xaa Arg Gln Leu Arg Pro Ser
 85 90 95

Glu	Lys	Ser	Ser	Thr	Ala	Ala	Ala	Gly	Pro	Gly	Ala	Lys	Ala	Leu	Thr	
			100					105					110			
Ala	Trp	Gly	Arg	Pro	Ala	Ala	Leu	Ser	Gly	Ala	Pro	Pro	Ser	Pro	Arg	
		115					120					125				
Pro	Pro	Gly	Thr	His	Ser	Gly	Pro	Gln	Ala	Leu	Arg	Ala	Ala	Pro	Val	
		130				135					140					
Pro	Ala	Arg	Pro	Ser	Pro	Ser	Ala	Pro	Pro	Arg	Lys	Leu	Arg	Glu	Leu	
145					150					155					160	
Ala	Pro	Ala	Leu	Ala	Ser	Pro	Glu	Arg	Gly	Ser	Tyr	Xaa	Ala	Ala	Ala	
				165					170					175		

Gly

<210> 1089
 <211> 414
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (174)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (410)
 <223> Xaa equals any of the naturally occurring L-amino acids

Met	Glu	Arg	Ala	Val	Arg	Val	Glu	Ser	Gly	Val	Leu	Val	Gly	Val	Val	
1				5					10					15		
Cys	Leu	Leu	Leu	Ala	Cys	Pro	Ala	Thr	Ala	Thr	Gly	Pro	Glu	Val	Ala	
			20					25					30			
Gln	Pro	Glu	Val	Asp	Thr	Thr	Leu	Gly	Arg	Val	Arg	Gly	Arg	Gln	Val	
		35					40					45				
Gly	Val	Lys	Gly	Thr	Asp	Arg	Leu	Val	Asn	Val	Phe	Leu	Gly	Ile	Pro	
		50				55					60					
Phe	Ala	Gln	Pro	Pro	Leu	Gly	Pro	Asp	Arg	Phe	Ser	Ala	Pro	His	Pro	
65					70					75					80	
Ala	Gln	Pro	Trp	Glu	Gly	Val	Arg	Asp	Ala	Ser	Thr	Ala	Pro	Pro	Met	
				85					90					95		
Cys	Leu	Gln	Asp	Val	Glu	Ser	Met	Asn	Ser	Ser	Arg	Phe	Val	Leu	Asn	
			100					105					110			

Gly	Lys	Gln	Gln	Ile	Phe	Ser	Val	Ser	Glu	Asp	Cys	Leu	Val	Leu	Asn	115	120	125
Val	Tyr	Ser	Pro	Ala	Glu	Val	Pro	Ala	Gly	Ser	Gly	Arg	Pro	Val	Met	130	135	140
Val	Trp	Val	His	Gly	Gly	Ala	Leu	Ile	Thr	Gly	Ala	Ala	Thr	Ser	Tyr	145	150	155
Asp	Gly	Ser	Ala	Leu	Ala	Ala	Tyr	Gly	Asp	Val	Val	Val	Xaa	Thr	Val	165	170	175
Gln	Tyr	Arg	Leu	Gly	Val	Leu	Gly	Phe	Phe	Ser	Thr	Gly	Asp	Glu	His	180	185	190
Ala	Pro	Gly	Asn	Gln	Gly	Phe	Leu	Asp	Val	Val	Ala	Ala	Leu	Arg	Trp	195	200	205
Val	Gln	Glu	Asn	Ile	Ala	Pro	Phe	Gly	Gly	Asp	Leu	Asn	Cys	Val	Thr	210	215	220
Val	Phe	Gly	Gly	Ser	Ala	Gly	Gly	Ser	Ile	Ile	Ser	Gly	Leu	Val	Leu	225	230	235
Ser	Pro	Val	Ala	Ala	Gly	Leu	Phe	His	Arg	Ala	Ile	Thr	Gln	Ser	Gly	245	250	255
Val	Ile	Thr	Thr	Pro	Gly	Ile	Ile	Asp	Ser	His	Pro	Trp	Pro	Leu	Ala	260	265	270
Gln	Lys	Ile	Ala	Asn	Thr	Leu	Ala	Cys	Ser	Ser	Ser	Ser	Pro	Ala	Glu	275	280	285
Met	Val	Gln	Cys	Leu	Gln	Gln	Lys	Glu	Gly	Glu	Glu	Leu	Val	Leu	Ser	290	295	300
Lys	Lys	Leu	Lys	Asn	Thr	Ile	Tyr	Pro	Leu	Thr	Val	Asp	Gly	Thr	Val	305	310	315
Phe	Pro	Lys	Ser	Pro	Lys	Glu	Leu	Leu	Lys	Glu	Lys	Pro	Phe	His	Ser	325	330	335
Val	Pro	Phe	Leu	Met	Gly	Val	Asn	Asn	His	Glu	Phe	Ser	Trp	Leu	Ile	340	345	350
Pro	Arg	Gly	Trp	Gly	Leu	Leu	Asp	Thr	Met	Glu	Gln	Met	Ser	Arg	Glu	355	360	365
Asp	Met	Leu	Ala	Ile	Ser	Thr	Pro	Val	Leu	Thr	Ser	Leu	Asp	Val	Pro	370	375	380
Pro	Glu	Met	Met	Pro	Thr	Val	Ile	Asp	Glu	Tyr	Leu	Gly	Ser	Asn	Ser	385	390	395
Asp	Ala	Gln	Ala	Lys	Cys	Gln	Ala	Phe	Xaa	Gly	Ile	His	Gly			405	410	

<210> 1090
<211> 571
<212> PRT
<213> Homo sapiens

<400> 1090
Met Glu Arg Ala Val Arg Val Glu Ser Gly Val Leu Val Gly Val Val
1 5 10 15
Cys Leu Leu Leu Ala Cys Pro Ala Thr Ala Thr Gly Pro Glu Val Ala
20 25 30
Gln Pro Glu Val Asp Thr Thr Leu Gly Arg Val Arg Gly Arg Gln Val
35 40 45
Gly Val Lys Gly Thr Asp Arg Leu Val Asn Val Phe Leu Gly Ile Pro
50 55 60
Phe Ala Gln Pro Pro Leu Gly Pro Asp Arg Phe Ser Ala Pro His Pro
65 70 75 80
Ala Gln Pro Trp Glu Gly Val Arg Asp Ala Ser Thr Ala Pro Pro Met
85 90 95
Cys Leu Gln Asp Val Glu Ser Met Asn Ser Ser Arg Phe Val Leu Asn
100 105 110
Gly Lys Gln Gln Ile Phe Ser Val Ser Glu Asp Cys Leu Val Leu Asn
115 120 125
Val Tyr Ser Pro Ala Glu Val Pro Ala Gly Ser Gly Arg Pro Val Met
130 135 140
Val Trp Val His Gly Gly Ala Leu Ile Thr Gly Ala Ala Thr Ser Tyr
145 150 155 160
Asp Gly Ser Ala Leu Ala Ala Tyr Gly Asp Val Val Val Val Thr Val
165 170 175
Gln Tyr Arg Leu Gly Val Leu Gly Phe Phe Ser Thr Gly Asp Glu His
180 185 190
Ala Pro Gly Asn Gln Gly Phe Leu Asp Val Val Ala Ala Leu Arg Trp
195 200 205
Val Gln Glu Asn Ile Ala Pro Phe Gly Gly Asp Leu Asn Cys Val Thr
210 215 220
Val Phe Gly Gly Ser Ala Gly Gly Ser Ile Ile Ser Gly Leu Val Leu
225 230 235 240
Ser Pro Val Ala Ala Gly Leu Phe His Arg Ala Ile Thr Gln Ser Gly
245 250 255

Val	Ile	Thr	Thr	Pro	Gly	Ile	Ile	Asp	Ser	His	Pro	Trp	Pro	Leu	Ala	
			260					265					270			
Gln	Lys	Ile	Ala	Asn	Thr	Leu	Ala	Cys	Ser	Ser	Ser	Ser	Pro	Ala	Glu	
		275					280					285				
Met	Val	Gln	Cys	Leu	Gln	Gln	Lys	Glu	Gly	Glu	Glu	Leu	Val	Leu	Ser	
	290					295					300					
Lys	Lys	Leu	Lys	Asn	Thr	Ile	Tyr	Pro	Leu	Thr	Val	Asp	Gly	Thr	Val	
305					310					315					320	
Phe	Pro	Lys	Ser	Pro	Lys	Glu	Leu	Leu	Lys	Glu	Lys	Pro	Phe	His	Ser	
				325					330					335		
Val	Pro	Phe	Leu	Met	Gly	Val	Asn	Asn	His	Glu	Phe	Ser	Trp	Leu	Ile	
			340					345					350			
Pro	Arg	Gly	Trp	Gly	Leu	Leu	Asp	Thr	Met	Glu	Gln	Met	Ser	Arg	Glu	
		355					360					365				
Asp	Met	Leu	Ala	Ile	Ser	Thr	Pro	Val	Leu	Thr	Ser	Leu	Asp	Val	Pro	
	370					375					380					
Pro	Glu	Met	Met	Pro	Thr	Val	Ile	Asp	Glu	Tyr	Leu	Gly	Ser	Asn	Ser	
385					390					395					400	
Asp	Ala	Gln	Ala	Lys	Cys	Gln	Ala	Phe	Gln	Glu	Phe	Met	Gly	Asp	Val	
				405					410					415		
Phe	Ile	Asn	Val	Pro	Thr	Val	Ser	Phe	Ser	Arg	Tyr	Leu	Arg	Asp	Ser	
			420					425					430			
Gly	Ser	Pro	Val	Phe	Phe	Tyr	Glu	Phe	Gln	His	Arg	Pro	Ser	Ser	Phe	
		435					440					445				
Ala	Lys	Ile	Lys	Pro	Ala	Trp	Val	Lys	Ala	Asp	His	Gly	Ala	Glu	Gly	
	450					455					460					
Ala	Phe	Val	Phe	Gly	Gly	Pro	Phe	Leu	Met	Asp	Glu	Ser	Ser	Arg	Leu	
465					470					475					480	
Ala	Phe	Pro	Glu	Ala	Thr	Glu	Glu	Glu	Lys	Gln	Leu	Ser	Leu	Thr	Met	
				485				490						495		
Met	Ala	Gln	Trp	Thr	His	Phe	Ala	Arg	Thr	Gly	Asp	Pro	Asn	Ser	Lys	
			500					505					510			
Ala	Leu	Pro	Pro	Trp	Pro	Gln	Phe	Asn	Gln	Ala	Glu	Gln	Tyr	Leu	Glu	
		515					520					525				
Ile	Asn	Pro	Val	Pro	Arg	Ala	Gly	Gln	Lys	Phe	Arg	Glu	Ala	Trp	Met	
	530					535					540					
Gln	Phe	Trp	Ser	Glu	Thr	Leu	Pro	Ser	Lys	Ile	Gln	Gln	Trp	His	Gln	
545					550					555					560	

Lys Gln Lys Asn Arg Lys Ala Gln Glu Asp Leu
565 570

<210> 1091
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1091
Met Ile Ser Ser Leu Leu Ser Lys Ala Val Leu Ser Leu Trp Ile Ser
1 5 10 15

Val Phe Ser Trp Asn Val Leu Gly Cys Lys Lys Leu Lys Thr Ile Ile
20 25 30

Leu Gln Cys Phe Lys Glu Ala Ser Asp Leu Val Leu Arg Glu Arg Tyr
35 40 45

Leu Gly Val Val Gln Ala Leu Ser Asp Asp Phe Ser Phe Cys Phe Thr
50 55 60

Ile Leu Ser Xaa
65

<210> 1092
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1092
Val Ser Lys Leu Phe Asp Leu Val Arg Val Ala Leu Trp Glu Ser Thr
1 5 10 15

Phe Leu Ser Leu Ser Leu Ser Val Pro Ser Val Cys Ala Met Phe Arg
20 25 30

Ser Ser Glu Glu Ser Lys Ile Ser Ser Glu Phe Lys Ile Ile Phe Val
35 40 45

Phe Leu Leu Phe Asn Val Met Glu
50 55

<210> 1093
<211> 66
<212> PRT
<213> Homo sapiens

<400> 1093

Met	Ile	Ser	Ser	Leu	Leu	Ser	Lys	Ala	Val	Leu	Ser	Leu	Trp	Ile	Ser
1				5					10					15	

Val	Phe	Ser	Trp	Asn	Val	Leu	Gly	Cys	Lys	Lys	Leu	Lys	Thr	Ile	Ile
			20					25					30		

Leu	Gln	Cys	Phe	Lys	Glu	Ala	Ser	Asp	Leu	Phe	Leu	Arg	Glu	Arg	Tyr
		35					40					45			

Leu	Gly	Val	Val	Gln	Ser	Leu	Ser	Asp	Asp	Phe	Phe	Phe	Leu	Leu	His
	50					55					60				

His	Pro
65	

<210> 1094

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1094

Arg	Trp	Arg	Gly	Ala	Ser	Thr	Pro	His	Arg	Asp	Tyr	Leu	Ser	Xaa	Arg
1				5					10					15	

Tyr	Cys	Ala	Cys	Gly
			20	

<210> 1095

<211> 11

<212> PRT

<213> Homo sapiens

<400> 1095

Trp	Gln	Ile	Leu	Leu	Ile	Ala	Leu	Leu	Leu	Ile
1			5						10	

<210> 1096

<211> 38

<212> PRT

<213> Homo sapiens

<400> 1096

Met	Leu	Arg	Trp	Arg	Leu	Leu	Ala	Thr	Ala	Leu	Ile	Ala	Leu	Cys	Arg
1				5					10					15	

Arg Ser Ala Ser Ser Val Ala Ser Gly Glu Pro Pro Asp Ser Pro Pro
20 25 30

Cys Pro Trp Arg Arg Arg
35

<210> 1097
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1097
Met Leu His Met Tyr Ser Gln Lys Asp Pro Leu Ile Leu Cys Val Arg
1 5 10 15

Leu Ala Val Leu Leu Ala Val Thr Leu Thr Val Pro Val Val Leu Phe
20 25 30

Pro Ile Arg Arg Ala Leu Gln Gln Leu Leu Phe Pro Gly Lys Ala Phe
35 40 45

Ser Trp Pro Arg His Val Ala Ile Ala Leu Ile Leu Leu Xaa Leu Val
50 55 60

Asn Val Leu Ala Ser Xaa Xaa Gln Pro Xaa Gly Ile
65 70 75

<210> 1098
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1098
Met Leu His Met Tyr Ser Gln Lys Asp Pro Leu Ile Leu Cys Val Pro
1 5 10 15
Pro Gly Arg Ala Ala Arg Gly Asp Pro Xaa Xaa Ala Ser Arg Ala Gly
20 25 30
Pro Tyr Pro Xaa Gly Pro Ala Xaa Ala Ala Phe Xaa Arg Gln Xaa Leu
35 40 45
Xaa Leu Gly Thr Thr Trp
50

<210> 1099
<211> 148
<212> PRT
<213> Homo sapiens

<220>
<221> SITE



<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1099

Leu	Xaa	Met	Tyr	Ser	Gln	Lys	Asp	Pro	Leu	Ile	Leu	Cys	Val	Arg	Leu
1				5					10					15	

Xaa	Val	Leu	Leu	Ala	Val	Thr	Leu	Thr	Val	Pro	Val	Val	Leu	Phe	Pro
		20						25					30		

Ile	Arg	Arg	Ala	Leu	Gln	Gln	Leu	Leu	Phe	Pro	Gly	Lys	Ala	Phe	Ser
		35					40					45			

Trp	Pro	Arg	His	Val	Ala	Ile	Ala	Leu	Ile	Leu	Leu	Val	Leu	Val	Asn
	50					55					60				

Val	Leu	Val	Ile	Cys	Val	Pro	Thr	Ile	Arg	Asp	Ile	Phe	Gly	Val	Ile
65					70					75					80

Gly	Ser	Thr	Ser	Ala	Pro	Ser	Leu	Ile	Phe	Ile	Leu	Pro	Ser	Ile	Phe
				85					90					95	

Tyr	Leu	Arg	Ile	Val	Pro	Ser	Glu	Val	Glu	Pro	Phe	Leu	Ser	Trp	Pro
			100					105					110		

Lys	Ile	Gln	Ala	Leu	Cys	Phe	Gly	Val	Leu	Gly	Val	Leu	Phe	Met	Ala
		115					120					125			

Val	Ser	Leu	Gly	Phe	Met	Phe	Ala	Asn	Trp	Ala	Thr	Gly	Gln	Ser	Arg
	130					135					140				

Met Ser Gly His
145

<210> 1100

<211> 149

<212> PRT

<213> Homo sapiens

<400> 1100

Met	Leu	His	Met	Tyr	Ser	Gln	Lys	Asp	Pro	Leu	Ile	Leu	Cys	Val	Arg
1				5					10					15	

Leu	Ala	Val	Leu	Leu	Ala	Val	Thr	Leu	Thr	Val	Pro	Val	Val	Leu	Phe
		20						25					30		

Pro	Ile	Arg	Arg	Ala	Leu	Gln	Gln	Leu	Leu	Phe	Pro	Gly	Lys	Ala	Phe
		35					40					45			

Ser Trp Pro Arg His Val Ala Ile Ala Leu Ile Leu Leu Val Leu Val

50		55		60
Asn Val Leu Val Ile Cys Val Pro Thr Ile Arg Asp Ile Phe Gly Val				
65		70		80
Ile Gly Ser Thr Ser Ala Pro Ser Leu Ile Phe Ile Leu Pro Ser Ile				
	85		90	95
Phe Tyr Leu Arg Ile Val Pro Ser Glu Val Glu Pro Phe Leu Ser Trp				
	100		105	110
Pro Lys Ile Gln Ala Leu Cys Phe Gly Val Leu Gly Val Leu Phe Met				
	115		120	125
Ala Val Ser Leu Gly Phe Met Phe Ala Asn Trp Ala Thr Gly Gln Ser				
	130		135	140
Arg Met Ser Gly His				
145				

<210> 1101
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 1101
Met Ile Leu Arg Gly Val Tyr Ser Met Val Pro Ile Tyr Thr His Met
1 5 10 15
Ile Phe Leu Phe Thr Phe Phe Leu Thr Ile Ser Gly Lys Tyr Phe Lys
20 25 30
Ile Phe Glu Lys His Ser Arg Ile
35 40

<210> 1102
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 1102
Met Ile Leu Arg Gly Val Tyr Ser Met Val Pro Ile Tyr Thr His Met
1 5 10 15
Ile Phe Leu Phe Thr Phe Phe Leu Thr Ile Ser Gly Lys Tyr Phe Lys
20 25 30
Ile Phe Glu Lys His Ser Arg Ile
35 40

<210> 1103

<211> 56
<212> PRT
<213> Homo sapiens

<400> 1103
Met Asn Leu Trp Leu Gly Ala Leu Ile Pro Val Thr Val His Leu Lys
1 5 10 15
Arg Met Trp Ser His Pro Lys Phe Gln Ala Gln Lys Thr Phe Pro Leu
20 25 30
Ser Lys Ser Pro Lys Tyr His Pro Val Phe Leu Leu Val Ile Ile Met
35 40 45
Ala Arg Ser Ser Gln Leu Lys Arg
50 55

<210> 1104
<211> 106
<212> PRT
<213> Homo sapiens

<400> 1104
Gln Gly Phe Ile Phe Trp Thr Gln Tyr Asn Ile Gly Tyr Ile Ser Leu
1 5 10 15
Arg Ser Ile Gly Phe Gln His Lys Ser Leu Pro Ile Arg Lys Ser Lys
20 25 30
Trp Arg Lys His Gln Ile Ile Ile Ile Thr Gln Gln Lys Cys Gly
35 40 45
Asp Trp Gln Trp Phe Trp Gly Phe Ile Ser Ser Ile Arg Ala Ser Ala
50 55 60
Ser His Phe Met Lys Leu Leu Pro Ser Glu Arg Thr Leu Asn Thr Pro
65 70 75 80
Arg Ser Tyr Cys Ser Phe Phe Leu Asn Gly Ile Leu Lys Asn Trp Leu
85 90 95
Lys Arg Glu Glu His Ser Lys Tyr Ile Leu
100 105

<210> 1105
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1105
Met Asn Leu Trp Leu Gly Ala Leu Ile Pro Val Thr Val His Leu Lys
1 5 10 15

Arg Met Trp Ser His Pro Lys Phe Gln Ala Gln Lys Thr Phe Pro Leu
20 25 30

Ser Lys Ser Pro Lys Tyr His Pro Val Phe Leu Leu Val Ile Ile Met
35 40 45

Ala Arg Ser Ser Gln Leu Lys Arg
50 55

<210> 1106
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1106
Val Gly Phe Gln Gly Leu Glu Gly Asn Pro Pro Pro Ala Xaa Leu Asn
1 5 10 15

Gly Leu Glu Gly Lys Gly Lys Leu Xaa Lys Lys Ala Gln Gly Thr Gly
20 25 30

Xaa Lys Ile Ile Phe Trp Pro Lys Glu Ser Lys Thr Pro Ser Gly Ser
35 40 45

Pro Lys Pro Ala Lys Ala Ala Asn Ser Lys Ser Lys Glu Ser Asp Glu
50 55 60

Pro His His Ser Lys Asn Glu Arg Pro Ala Arg Pro Pro Pro Pro Ile
65 70 75 80

Met Thr Asp Gly Glu Asp Ala Asp Tyr Thr His Phe Thr Asn Gln Gln
85 90 95

Ser Ser Thr Arg His Phe Ser Lys Ser Glu Ser Ser His Lys Gly Phe
100 105 110

His Tyr Lys His
115

<210> 1107
<211> 4
<212> PRT
<213> Homo sapiens

<400> 1107
Val Leu Arg Asn
1

<210> 1108
<211> 4
<212> PRT
<213> Homo sapiens

<400> 1108
Val Leu Arg Asn
1

<210> 1109
<211> 54
<212> PRT
<213> Homo sapiens

<400> 1109
Met Ser Ser Leu Gly Leu Gln Glu Pro Gln Lys Asn Leu Thr Ser Phe
1 5 10 15
Pro Gln Ile Ser Pro Tyr Pro Leu Ser Ile Phe Thr Pro Ile Ile Ile
20 25 30
Tyr Phe His Thr Ile Gln Leu Ser Lys Asp Ser Trp Arg Leu Thr Cys
35 40 45
Ile Phe Arg Leu Thr Glu
50

<210> 1110
<211> 5
<212> PRT
<213> Homo sapiens

<400> 1110
Thr Thr Met Thr Gly
1 5

<210> 1111
<211> 40
<212> PRT

<213> Homo sapiens

<400> 1111

Met	Pro	Thr	Thr	Val	Gly	Ala	Gln	Ile	Phe	Ile	Phe	Ile	Phe	Leu	Leu
1				5					10					15	

Cys	Thr	Leu	Phe	Phe	Leu	Pro	Phe	Tyr	Gly	Cys	Leu	Lys	Ser	Arg	Glu
			20					25					30		

Lys	Gly	Arg	Leu	Val	Asn	Asp	Glu
		35					40

<210> 1112

<211> 40

<212> PRT

<213> Homo sapiens

<400> 1112

Met	Pro	Thr	Thr	Val	Gly	Ala	Gln	Ile	Phe	Ile	Phe	Ile	Phe	Leu	Leu
1				5					10					15	

Cys	Thr	Leu	Phe	Phe	Leu	Pro	Phe	Tyr	Gly	Cys	Leu	Lys	Ser	Arg	Glu
			20					25					30		

Lys	Gly	Arg	Leu	Val	Asn	Asp	Glu
		35					40

<210> 1113

<211> 101

<212> PRT

<213> Homo sapiens

<400> 1113

Val	Asp	Pro	Arg	Val	Arg	Thr	Ser	Ser	Arg	Ser	Arg	Ala	Ala	Ala	Leu
1				5					10					15	

Phe	Glu	Cys	Phe	Leu	Met	Val	Phe	Leu	Leu	Lys	Cys	Gln	Val	Asn	Asn
			20					25					30		

Phe	Asn	Pro	Ile	Gln	Gln	Tyr	Ser	Leu	Phe	Pro	Leu	Lys	Ser	Ser	Gly
		35					40					45			

Thr	Cys	Ser	Ile	Ser	Leu	Phe	Cys	Met	Arg	Gly	Leu	Tyr	Phe	Cys	Leu
	50					55					60				

Gly	Val	Val	Ile	Cys	Thr	His	Ala	Ile	Leu	Leu	Lys	Pro	Ser	Cys	Leu
65					70					75					80

Val	Leu	Phe	Leu	Glu	Ser	Phe	Phe	Phe	Pro	Val	Leu	Met	Tyr	Ala	Gly
				85					90					95	

Phe	Gly	Asn	Ser	Ser
			100	

<210> 1114
<211> 216
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1114
Met Lys Glu Arg Lys Gly Phe Asn Leu Gln Gly Pro Leu Ile Leu Trp
1 5 10 15
Ser Phe Cys Leu Ala Ile Phe Ser Ile Leu Gly Ala Val Arg Met Trp
20 25 30
Gly Ile Met Gly Thr Val Leu Leu Thr Gly Gly Leu Lys Gln Thr Val
35 40 45
Cys Phe Ile Asn Phe Ile Asp Asn Ser Thr Val Lys Phe Trp Ser Trp
50 55 60
Val Phe Leu Leu Ser Lys Val Ile Glu Leu Gly Asp Thr Ala Phe Ile
65 70 75 80
Ile Leu Arg Lys Arg Xaa Leu Ile Phe Ile His Trp Tyr His His Ser
85 90 95
Thr Val Leu Val Tyr Thr Ser Phe Gly Tyr Lys Asn Lys Val Pro Ala
100 105 110
Gly Gly Trp Phe Val Thr Met Asn Phe Gly Val His Ala Ile Met Tyr
115 120 125
Thr Tyr Tyr Thr Leu Lys Ala Ala Asn Val Lys Pro Pro Lys Met Leu
130 135 140
Pro Met Leu Ile Thr Ser Leu Gln Ile Leu Gln Met Phe Val Gly Ala
145 150 155 160
Ile Val Ser Ile Leu Thr Tyr Ile Trp Arg Gln Asp Gln Gly Cys His
165 170 175
Thr Thr Met Glu His Leu Phe Trp Ser Phe Ile Leu Tyr Met Thr Tyr
180 185 190
Phe Ile Leu Phe Ala His Phe Phe Cys Gln Thr Tyr Ile Arg Pro Lys
195 200 205
Val Lys Ala Lys Thr Lys Ser Gln
210 215

<210> 1115
<211> 216
<212> PRT
<213> Homo sapiens

<400> 1115
Met Lys Glu Arg Lys Gly Phe Asn Leu Gln Gly Pro Leu Ile Leu Trp
1 5 10 15
Ser Phe Cys Leu Ala Ile Phe Ser Ile Leu Gly Ala Val Arg Met Trp
20 25 30
Gly Ile Met Gly Thr Val Leu Leu Thr Gly Gly Leu Lys Gln Thr Val
35 40 45
Cys Phe Ile Asn Phe Ile Asp Asn Ser Thr Val Lys Phe Trp Ser Trp
50 55 60
Val Phe Leu Leu Ser Lys Val Ile Glu Leu Gly Asp Thr Ala Phe Ile
65 70 75 80
Ile Leu Arg Lys Arg Pro Leu Ile Phe Ile His Trp Tyr His His Ser
85 90 95
Thr Val Leu Val Tyr Thr Ser Phe Gly Tyr Lys Asn Lys Val Pro Ala
100 105 110
Gly Gly Trp Phe Val Thr Met Asn Phe Gly Val His Ala Ile Met Tyr
115 120 125
Thr Tyr Tyr Thr Leu Lys Ala Ala Asn Val Lys Pro Pro Lys Met Leu
130 135 140
Pro Met Leu Ile Thr Ser Leu Gln Ile Leu Gln Met Phe Val Gly Ala
145 150 155 160
Ile Val Ser Ile Leu Thr Tyr Ile Trp Arg Gln Asp Gln Gly Cys His
165 170 175
Thr Thr Met Glu His Leu Phe Trp Ser Phe Ile Leu Tyr Met Thr Tyr
180 185 190
Phe Ile Leu Phe Ala His Phe Phe Cys Gln Thr Tyr Ile Arg Pro Lys
195 200 205
Val Lys Ala Lys Thr Lys Ser Gln
210 215

<210> 1116
<211> 16
<212> PRT
<213> Homo sapiens

<400> 1116

Val Leu Gly Leu Gly Val Val Leu Thr Pro Ile Ile Pro Val Leu Trp
1 5 10 15

<210> 1117
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1117
Asn Asn Leu Cys Phe Ile Ser Pro Phe Thr Ser Met Tyr Trp Leu Ala
1 5 10 15

Gln Phe Ile Val Ser Glu Lys Gln Gly Thr His Leu His Xaa Leu Gln
20 25 30

Glu Thr Val Leu Pro Phe Asn Leu Lys Thr Arg Lys Leu Asn Phe Asn
35 40 45

Arg Asn Leu Leu Ser Met Leu
50 55

<210> 1118
<211> 32
<212> PRT
<213> Homo sapiens

<400> 1118
Met His Met Trp Ile Leu Ser Leu His Phe Ile Phe Thr Pro Arg Leu
1 5 10 15

Val Leu Cys Glu Val Arg Pro Asn Lys Ile Val Glu Asp Thr Ile Ile
20 25 30

<210> 1119
<211> 1
<212> PRT
<213> Homo sapiens

<400> 1119
Ala

1

<210> 1120
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1120
Met Glu Leu Leu Gln Ala Lys Lys Leu Leu Leu Leu Leu Gly Leu Phe
1 5 10 15
Val Ser Cys Xaa Ser Asn Ile Arg Lys Thr Glu Pro Cys Phe Gly Leu
20 25 30
Asp Ser Ile Thr Phe Xaa Asp Pro Lys Lys Lys Cys Leu Ser Asn Leu
35 40 45
Lys Ser Cys
50

<210> 1121
<211> 51
<212> PRT
<213> Homo sapiens

<400> 1121
Met Glu Leu Leu Gln Ala Lys Lys Leu Leu Leu Leu Leu Gly Leu Phe
1 5 10 15
Val Ser Cys Cys Ser Asn Ile Arg Lys Thr Glu Pro Cys Phe Gly Leu
20 25 30
Asp Ser Ile Thr Phe Arg Asp Pro Lys Lys Lys Cys Leu Cys Asn Leu
35 40 45
Lys Ser Cys
50

<210> 1122
<211> 2
<212> PRT

<213> Homo sapiens

<400> 1122

Tyr Phe

1

<210> 1123

<211> 88

<212> PRT

<213> Homo sapiens

<400> 1123

Leu Thr Thr Pro Tyr Gly Gly Leu Cys Lys Gln Ser Thr Arg Gly Ser
1 5 10 15

Ile Ile Ser Thr Trp Gln Cys Thr Trp Trp Leu Cys Asp Leu Glu Lys
20 25 30

Val Ser Tyr Ser Cys Leu Cys Val Leu Thr Leu Glu Thr Glu Thr Leu
35 40 45

Phe Val Val Phe Thr Leu Phe Gln Gln Gln Lys Leu Phe Gln Gly Lys
50 55 60

Ser Tyr Arg Thr Phe Lys His Val Cys Ile His Thr Tyr Pro Ile Pro
65 70 75 80

His Tyr Ile Lys Val Ile Leu Leu
85

<210> 1124

<211> 82

<212> PRT

<213> Homo sapiens

<400> 1124

Met Asn Leu Gly Trp Tyr Gln Met His Pro Leu Lys Met Ile Trp Leu
1 5 10 15

Thr Ile Phe Leu Thr Trp Leu Met Arg Gln Ala Ser Pro Thr Gly His
20 25 30

Asp Leu Glu Val Lys Val Phe Cys Cys Tyr Cys Gly Leu Lys Tyr Leu
35 40 45

Val Met Gly Glu Glu Cys Arg Val Val Ala Leu Ala Gln Thr Gln Glu
50 55 60

Asn Pro Phe Ser Pro Leu Phe Tyr Phe Cys Tyr Ser Asp His Leu Ser
65 70 75 80

Pro Phe

<210> 1125
<211> 82
<212> PRT
<213> Homo sapiens

<400> 1125
Met Asn Leu Gly Trp Tyr Gln Met His Pro Leu Lys Met Ile Trp Leu
1 5 10 15
Thr Ile Phe Leu Thr Trp Leu Met Arg Gln Ala Ser Pro Thr Gly His
20 25 30
Asp Leu Glu Val Lys Val Phe Cys Cys Tyr Cys Gly Leu Lys Tyr Leu
35 40 45
Val Met Gly Glu Glu Cys Arg Val Val Ala Leu Ala Gln Thr Gln Glu
50 55 60
Asn Pro Phe Ser Pro Leu Phe Tyr Phe Cys Tyr Ser Asp His Leu Ser
65 70 75 80
Pro Phe

<210> 1126
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1126
Met Gly Thr Phe Ser Leu Met Leu Leu Leu Leu Pro Ser Val Val Cys
1 5 10 15
Xaa Ser Phe Lys Val Arg Pro Leu Phe Cys Arg Ala Ala Val Val Cys
20 25 30
Ser Gly Ser Thr Ser Asp Pro Ile His Leu Gly Pro Ser His Thr Trp
35 40 45
Arg Cys His Gln Trp Arg Leu Gln Asn Ser Lys Asp Gly Cys Leu Leu
50 55 60
Leu Pro Pro Gly Ser Pro Ser Gln Arg Glu Thr Asp Leu Met Leu Ala
65 70 75 80
Gly Met Leu Leu

<210> 1127
<211> 25
<212> PRT
<213> Homo sapiens

<400> 1127
Gly Leu Phe Ala Leu Ser Phe Leu Phe Leu Leu Val Val Met Leu Gly
1 5 10 15
Cys Gln Phe Asp Ile Phe Leu Ala Phe
20 25

<210> 1128
<211> 84
<212> PRT
<213> Homo sapiens

<400> 1128
Met Gly Thr Phe Ser Leu Met Leu Leu Leu Leu Pro Ser Val Val Cys
1 5 10 15
Phe Ser Phe Lys Val Arg Pro Leu Phe Cys Arg Ala Ala Val Val Cys
20 25 30
Ser Gly Ser Thr Ser Asp Pro Ile His Leu Gly Pro Ser His Thr Trp
35 40 45
Arg Cys His Gln Trp Arg Leu Gln Asn Ser Lys Asp Gly Cys Leu Leu
50 55 60
Leu Pro Pro Gly Ser Pro Ser Gln Arg Glu Thr Asp Leu Met Leu Ala
65 70 75 80
Gly Met Leu Leu

<210> 1129
<211> 219
<212> PRT
<213> Homo sapiens

<400> 1129
Met Glu Met Ala Ser Lys Met Lys Asp Thr Gly Phe Ile Val Phe Ala
1 5 10 15
Val Leu Leu Leu Val Ser Cys Leu Ile Leu Ile Phe Val Ile Ala Pro
20 25 30
Arg Tyr Gly Gln Arg Asn Ile Leu Ile Tyr Ile Ile Ile Cys Ser Val
35 40 45

Ile	Gly	Ala	Phe	Ser	Val	Ala	Ala	Val	Lys	Gly	Leu	Gly	Ile	Thr	Ile			
	50					55					60							
Lys	Asn	Phe	Phe	Gln	Gly	Leu	Pro	Val	Val	Arg	His	Pro	Leu	Pro	Tyr			
	65				70					75					80			
Ile	Leu	Ser	Leu	Ile	Leu	Ala	Leu	Ser	Leu	Ser	Thr	Gln	Val	Asn	Phe			
				85					90					95				
Leu	Asn	Arg	Ala	Leu	Asp	Ile	Phe	Asn	Thr	Ser	Leu	Val	Phe	Pro	Ile			
			100					105					110					
Tyr	Tyr	Val	Phe	Phe	Thr	Thr	Val	Val	Val	Thr	Ser	Ser	Ile	Ile	Leu			
		115					120					125						
Phe	Lys	Glu	Trp	Tyr	Ser	Met	Ser	Ala	Val	Asp	Ile	Ala	Gly	Thr	Leu			
	130					135					140							
Ser	Gly	Phe	Val	Thr	Ile	Ile	Leu	Gly	Val	Phe	Met	Leu	His	Ala	Phe			
	145				150					155					160			
Lys	Asp	Leu	Asp	Ile	Ser	Cys	Ala	Ser	Leu	Pro	His	Met	His	Lys	Asn			
				165					170					175				
Pro	Pro	Pro	Ser	Pro	Ala	Pro	Glu	Pro	Thr	Val	Ile	Arg	Leu	Glu	Asp			
			180					185					190					
Lys	Asn	Val	Leu	Val	Asp	Asn	Ile	Glu	Leu	Ala	Ser	Thr	Ser	Ser	Pro			
		195					200					205						
Glu	Glu	Lys	Pro	Lys	Val	Phe	Ile	Ile	His	Ser								
	210					215												

<210> 1130
 <211> 219
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (104)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (197)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1130
 Met Glu Met Ala Ser Lys Met Lys Asp Thr Gly Phe Ile Val Phe Ala
 1 5 10 15

Val Leu Leu Leu Val Ser Cys Leu Ile Leu Ile Phe Val Ile Ala Pro
 20 25 30

Arg	Tyr	Gly	Gln	Arg	Asn	Ile	Leu	Ile	Tyr	Ile	Ile	Ile	Cys	Ser	Val
		35					40					45			
Ile	Gly	Ala	Phe	Ser	Val	Ala	Ala	Val	Lys	Gly	Leu	Gly	Ile	Thr	Ile
	50					55					60				
Lys	Asn	Phe	Phe	Gln	Gly	Leu	Pro	Val	Val	Arg	His	Pro	Leu	Pro	Tyr
65					70					75					80
Ile	Leu	Ser	Leu	Ile	Leu	Ala	Leu	Ser	Leu	Ser	Thr	Gln	Val	Asn	Phe
				85					90					95	
Leu	Asn	Arg	Ala	Leu	Asp	Ile	Xaa	Asn	Thr	Ser	Leu	Val	Phe	Pro	Ile
			100					105					110		
Tyr	Tyr	Val	Phe	Phe	Thr	Thr	Val	Val	Val	Thr	Ser	Ser	Ile	Ile	Leu
		115					120					125			
Phe	Lys	Glu	Trp	Tyr	Ser	Met	Ser	Ala	Val	Asp	Ile	Ala	Gly	Thr	Leu
	130					135					140				
Ser	Gly	Phe	Val	Thr	Ile	Ile	Leu	Gly	Val	Phe	Met	Leu	His	Ala	Phe
145					150					155					160
Lys	Asp	Leu	Asp	Ile	Ser	Cys	Ala	Ser	Leu	Pro	His	Met	His	Lys	Asn
				165					170					175	
Pro	Pro	Pro	Ser	Pro	Ala	Pro	Glu	Pro	Thr	Val	Ile	Arg	Leu	Glu	Asp
			180					185					190		
Lys	Asn	Val	Leu	Xaa	Asp	Asn	Ile	Glu	Leu	Ala	Ser	Thr	Ser	Ser	Pro
		195					200					205			
Glu	Glu	Lys	Pro	Lys	Val	Phe	Ile	Ile	His	Ser					
	210					215									

<210> 1131
 <211> 217
 <212> PRT
 <213> Homo sapiens

<400> 1131															
Met	Ala	Ser	Lys	Met	Lys	Asp	Thr	Gly	Phe	Ile	Val	Phe	Ala	Val	Leu
1				5					10					15	
Leu	Leu	Val	Ser	Cys	Leu	Ile	Leu	Ile	Phe	Val	Ile	Ala	Pro	Arg	Tyr
			20					25					30		
Gly	Gln	Arg	Asn	Ile	Leu	Ile	Tyr	Ile	Ile	Ile	Cys	Ser	Val	Ile	Gly
	35						40					45			
Ala	Phe	Ser	Val	Ala	Ala	Val	Lys	Gly	Leu	Gly	Ile	Thr	Ile	Lys	Asn
	50					55					60				

Phe	Phe	Gln	Gly	Leu	Pro	Val	Val	Arg	His	Pro	Leu	Pro	Tyr	Ile	Leu
65					70					75					80
Ser	Leu	Ile	Leu	Ala	Leu	Ser	Leu	Ser	Thr	Gln	Val	Asn	Phe	Leu	Asn
				85					90					95	
Arg	Ala	Leu	Asp	Ile	Phe	Asn	Thr	Ser	Leu	Val	Phe	Pro	Ile	Tyr	Tyr
			100					105					110		
Val	Phe	Phe	Thr	Thr	Val	Val	Val	Thr	Ser	Ser	Ile	Ile	Leu	Phe	Lys
			115					120					125		
Glu	Trp	Tyr	Ser	Met	Ser	Ala	Val	Asp	Ile	Ala	Gly	Thr	Leu	Ser	Gly
	130					135					140				
Phe	Val	Thr	Ile	Ile	Leu	Gly	Val	Phe	Met	Leu	His	Ala	Phe	Lys	Asp
145					150					155					160
Leu	Asp	Ile	Ser	Cys	Ala	Ser	Leu	Pro	His	Met	His	Lys	Asn	Pro	Pro
				165					170					175	
Pro	Ser	Pro	Ala	Pro	Glu	Pro	Thr	Val	Ile	Arg	Leu	Glu	Asp	Lys	Asn
			180					185					190		
Val	Leu	Val	Asp	Asn	Ile	Glu	Leu	Ala	Ser	Thr	Ser	Ser	Pro	Glu	Glu
			195					200					205		
Lys	Pro	Lys	Val	Phe	Ile	Ile	His	Ser							
	210					215									

<210> 1132
 <211> 253
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (215)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (252)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (253)
 <223> Xaa equals any of the naturally occurring L-amino acids

Met	Gln	Ala	Cys	Val	Leu	Leu	Leu	Gly	Leu	Val	Leu	Ser	Ala	Gln	Leu
1				5				10						15	

Gln Ser Pro Glu Asn Met Arg Met Gly Gly Gly Arg Val Leu Leu Arg

	20		25		30												
Ala	His	Pro	Val	Pro	Ala	Gly	Gly	Gly	Gln	Cys	Gln	Ser	Ser	Ala	Lys		
	35					40					45						
Gly	Pro	Trp	Val	Gly	Thr	Gly	Pro	Glu	Arg	Glu	Glu	Arg	Asp	Ser	Pro		
	50					55					60						
Glu	Gly	Arg	Trp	Ala	Ser	Tyr	Trp	Ala	Gln	Ser	Trp	Glu	Gly	Val	Ala		
65					70					75					80		
Ala	Ser	Thr	Gly	Trp	Ala	Trp	Thr	Pro	Leu	Ala	Pro	Thr	Pro	Ser	Gly		
				85					90					95			
Cys	Gly	Cys	Ser	Leu	Ser	Leu	Glu	Ser	Arg	Thr	Gly	Pro	Gly	Cys	Leu		
			100					105					110				
Gly	Gly	Cys	Gln	Val	Pro	Pro	Glu	Leu	Pro	Arg	Ala	Pro	Thr	Cys	Lys		
	115						120					125					
Cys	Gln	Pro	Gln	Gly	Ser	Ala	Gln	Met	Arg	Pro	Ser	Gln	Leu	Gln	Pro		
130						135					140						
Ala	Met	Pro	Trp	Asp	Ala	His	Arg	Glu	Gly	Gly	Gly	Phe	Gly	Leu	Leu		
145					150				155						160		
Ser	Pro	Trp	Glu	Arg	Leu	Gly	Ala	Val	Thr	Ala	Arg	Leu	Ala	Gln	Ala		
				165					170					175			
His	Cys	Arg	Val	Gly	Trp	Leu	Pro	Gln	Pro	Gly	Leu	Gly	Gly	Thr	Pro		
			180					185					190				
Gly	Ser	Gly	Pro	Pro	Cys	Leu	Glu	Ser	Gln	Trp	Gly	Asp	Gly	Glu	Glu		
	195						200					205					
Thr	Trp	Pro	Pro	Met	Ala	Xaa	Gly	Gln	Leu	Arg	Thr	Arg	Thr	Cys	Trp		
	210					215					220						
Ser	Trp	Lys	Cys	Cys	Gly	Val	Glu	Gly	Trp	Gly	Gly	Gln	Leu	Leu	Thr		
225					230				235						240		
Pro	Ala	Ser	Cys	Leu	Leu	Leu	Ser	Thr	Phe	Pro	Xaa	Xaa					
				245					250								

<210> 1133
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 1133 /
 Asn Ser Glu Lys Gly Gln Lys Lys Gln Arg Gly Pro Arg Trp Ile Cys
 1 5 10 15
 Gln Leu Phe Cys Arg Cys Phe Leu Pro Leu Leu Trp Val Val Cys Ser
 20 25 30

Pro Leu Gln Thr Ser Ala Arg Arg Glu Gly Leu Asn Leu Pro Ala Pro
35 40 45

Gln Asp Leu Leu Pro Ser Gly Pro Ser Pro Ala Leu Arg Ser Leu Pro
50 55 60

Asp Arg Arg Val Asp Arg Ala Thr Trp Ala Ala Arg Glu Thr His Gly
65 70 75 80

Gly Pro Pro Cys Gly Gln Pro Cys Gln Leu Pro Pro Ser Pro Glu Leu
85 90 95

His Leu His Leu Glu Glu
100

<210> 1134
<211> 137
<212> PRT
<213> Homo sapiens

<400> 1134
Met Gln Ala Cys Val Leu Leu Leu Gly Leu Val Leu Ser Ala Gln Leu
1 5 10 15

Gln Ser Pro Glu Asn Met Arg Met Gly Gly Gly Arg Val Leu Leu Arg
20 25 30

Ala His Pro Val Pro Ala Gly Gly Gly Gln Cys Gln Ser Ser Ala Lys
35 40 45

Gly Pro Trp Val Gly Thr Gly Pro Glu Arg Glu Glu Arg Asp Ser Pro
50 55 60

Glu Gly Arg Trp Ala Ser Tyr Trp Ala Gln Ser Trp Glu Gly Val Ala
65 70 75 80

Ala Ser Thr Gly Trp Ala Trp Thr Pro Leu Ala Pro Thr Pro Ser Gly
85 90 95

Cys Gly Cys Ser Pro Lys Pro Gly Glu Gln Asp Arg Pro Gly Val Ser
100 105 110

Gly Arg Leu Pro Gly Ala Ser Gln Ser Ser Gln Gly Pro Pro Pro Ala
115 120 125

Ser Ala Ser Leu Arg Ala Val Pro Lys
130 135

<210> 1135
<211> 93
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1135

Met	Tyr	Ala	Leu	Tyr	Ile	Thr	Val	His	Gly	Tyr	Phe	Leu	Ile	Thr	Phe
1				5					10					15	

Leu	Phe	Gly	Met	Val	Val	Leu	Ala	Leu	Val	Val	Trp	Lys	Ile	Phe	Thr
			20					25					30		

Leu	Xaa	Arg	Ala	Thr	Ala	Val	Lys	Glu	Arg	Gly	Lys	Asn	Arg	Lys	Lys
		35					40					45			

Val	Leu	Thr	Leu	Leu	Gly	Leu	Ser	Ser	Leu	Val	Gly	Val	Thr	Trp	Gly
	50					55					60				

Leu	Ala	Ile	Phe	Thr	Pro	Leu	Gly	Leu	Ser	Thr	Xaa	Tyr	Ile	Phe	Ala
	65				70					75					80

Leu	Phe	Asn	Ser	Leu	Gln	Ala	Gln	Arg	Gly	Ile	Thr	Val
				85					90			

<210> 1136

<211> 93

<212> PRT

<213> Homo sapiens

<400> 1136

Met	Tyr	Ala	Leu	Tyr	Ile	Thr	Val	His	Gly	Tyr	Phe	Leu	Ile	Thr	Phe
1				5					10					15	

Leu	Phe	Gly	Met	Val	Val	Leu	Ala	Leu	Val	Val	Trp	Lys	Ile	Phe	Thr
			20					25					30		

Leu	Ser	Arg	Ala	Thr	Ala	Val	Lys	Glu	Arg	Gly	Lys	Asn	Arg	Lys	Lys
		35					40					45			

Val	Leu	Thr	Leu	Leu	Gly	Leu	Ser	Ser	Leu	Val	Gly	Val	Thr	Trp	Gly
	50					55					60				

Leu	Ala	Ile	Phe	Thr	Pro	Leu	Gly	Leu	Ser	Thr	Val	Tyr	Ile	Phe	Ala
	65				70					75					80

Leu	Phe	Asn	Ser	Leu	Gln	Ala	Gln	Arg	Gly	Ile	Thr	Val
				85					90			

<210> 1137
<211> 122
<212> PRT
<213> Homo sapiens

<400> 1137
Met Tyr Ala Leu Tyr Ile Thr Val His Gly Tyr Phe Leu Ile Thr Phe
1 5 10 15
Leu Phe Gly Met Val Val Leu Ala Leu Val Val Trp Lys Ile Phe Thr
20 25 30
Leu Ser Arg Ala Thr Ala Val Lys Glu Arg Gly Lys Asn Arg Lys Lys
35 40 45
Val Leu Thr Leu Leu Gly Leu Ser Ser Leu Val Gly Val Thr Trp Gly
50 55 60
Leu Ala Ile Phe Thr Pro Leu Gly Leu Ser Thr Val Tyr Ile Phe Ala
65 70 75 80
Leu Phe Asn Ser Leu Gln Gly Val Phe Ile Cys Cys Trp Phe Thr Ile
85 90 95
Leu Tyr Leu Pro Ser Gln Ser Thr Thr Val Ser Ser Ser Thr Ala Arg
100 105 110
Leu Asp Gln Ala His Ser Ala Ser Gln Glu
115 120

<210> 1138
<211> 241
<212> PRT
<213> Homo sapiens

<400> 1138
Ala Pro Gly Gln Thr Pro Ser Leu Cys Ser Trp Leu Leu Pro Leu Pro
1 5 10 15
Ser Thr Trp Ala Thr Thr Gly His Val Cys Phe Ser Asp Ile Leu Gln
20 25 30
Thr Pro Asp Gly Gly Gln Leu Leu Leu Asp Trp Ala Lys Gln Pro Asp
35 40 45
Ser Ser Gln Asp Pro Asp Pro Thr Thr Gln Pro Ile Val Leu Leu Leu
50 55 60
Pro Gly Ile Thr Gly Ser Ser Gln Glu Thr Tyr Val Leu His Leu Val
65 70 75 80
Asn Gln Ala Leu Arg Asp Gly Tyr Gln Ala Val Val Phe Asn Asn Arg
85 90 95

Gly	Cys	Arg	Gly	Glu	Glu	Leu	Arg	Thr	His	Arg	Ala	Phe	Cys	Ala	Ser
			100					105					110		
Asn	Thr	Glu	Asp	Leu	Glu	Thr	Val	Val	Asn	His	Ile	Lys	His	Arg	Tyr
		115					120					125			
Pro	Gln	Ala	Pro	Leu	Leu	Ala	Val	Gly	Ile	Ser	Phe	Gly	Gly	Ile	Leu
		130				135					140				
Val	Leu	Asn	His	Leu	Ala	Gln	Ala	Arg	Gln	Ala	Ala	Gly	Leu	Val	Ala
145					150				155						160
Ala	Leu	Thr	Leu	Ser	Ala	Cys	Trp	Asp	Ser	Phe	Glu	Thr	Thr	Arg	Ser
				165					170					175	
Leu	Glu	Thr	Pro	Leu	Asn	Ser	Leu	Leu	Phe	Asn	Gln	Pro	Leu	Thr	Ala
			180					185					190		
Gly	Leu	Cys	Gln	Leu	Val	Glu	Arg	Leu	Ser	Tyr	Gly	Lys	Thr	Cys	Arg
		195					200					205			
Pro	Val	Gln	Ser	Ala	Ser	Leu	Met	Ser	Ala	Thr	His	Leu	Trp	Pro	Leu
		210				215					220				
Asp	Ile	Lys	Thr	Val	Leu	Pro	Thr	Thr	Lys	Gln	Gln	Ala	Leu	Glu	Pro
225					230					235					240

Arg

<210> 1139
 <211> 242
 <212> PRT
 <213> Homo sapiens

<400> 1139

Met	Ala	Pro	Gly	Gln	Thr	Pro	Ser	Leu	Cys	Ser	Trp	Leu	Leu	Pro	Leu
1				5					10					15	
Pro	Ser	Thr	Trp	Ala	Thr	Thr	Gly	His	Val	Cys	Phe	Ser	Asp	Ile	Leu
			20					25					30		
Gln	Thr	Pro	Asp	Gly	Gly	Gln	Leu	Leu	Leu	Asp	Trp	Ala	Lys	Gln	Pro
		35					40					45			
Asp	Ser	Ser	Gln	Asp	Pro	Asp	Pro	Thr	Thr	Gln	Pro	Ile	Val	Leu	Leu
	50					55					60				
Leu	Pro	Gly	Ile	Thr	Gly	Ser	Ser	Gln	Glu	Thr	Tyr	Val	Leu	His	Leu
65					70					75					80
Val	Asn	Gln	Ala	Leu	Arg	Asp	Gly	Tyr	Gln	Ala	Val	Val	Phe	Asn	Asn
			85						90					95	
Arg	Gly	Cys	Arg	Gly	Glu	Glu	Leu	Arg	Thr	His	Arg	Ala	Phe	Cys	Ala

100					105					110						
Ser	Asn	Thr	Glu	Asp	Leu	Glu	Thr	Val	Val	Asn	His	Ile	Lys	His	Arg	
115					120					125						
Tyr	Pro	Gln	Ala	Pro	Leu	Leu	Ala	Val	Gly	Ile	Ser	Phe	Gly	Gly	Ile	
130					135					140						
Leu	Val	Leu	Asn	His	Leu	Ala	Gln	Ala	Arg	Gln	Ala	Ala	Gly	Leu	Val	
145					150					155					160	
Ala	Ala	Leu	Thr	Leu	Ser	Ala	Cys	Trp	Asp	Ser	Phe	Glu	Thr	Thr	Arg	
165					170					175						
Ser	Leu	Glu	Thr	Pro	Leu	Asn	Ser	Leu	Leu	Phe	Asn	Gln	Pro	Leu	Thr	
180					185					190						
Ala	Gly	Leu	Cys	Gln	Leu	Val	Glu	Arg	Leu	Ser	Tyr	Gly	Lys	Thr	Cys	
195					200					205						
Arg	Pro	Val	Gln	Ser	Ala	Ser	Leu	Met	Ser	Ala	Thr	His	Leu	Trp	Pro	
210					215					220						
Leu	Asp	Ile	Lys	Thr	Val	Leu	Pro	Thr	Thr	Lys	Gln	Gln	Ala	Leu	Glu	
225					230					235					240	
Pro Arg																

<210> 1140
 <211> 180
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (143)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1140															
Met	Gly	Trp	Pro	Arg	Pro	Gly	Arg	Ala	Leu	Val	Ala	Val	Lys	Ala	Leu
1				5					10					15	
Leu	Val	Leu	Ser	Leu	Leu	Gln	Val	Pro	Ala	Gln	Ala	Val	Val	Arg	Ala
			20					25						30	
Val	Leu	Glu	Asp	Asn	Ser	Ser	Ser	Val	Asp	Phe	Ala	Asp	Leu	Pro	Ala
		35					40					45			
Leu	Phe	Gly	Val	Pro	Leu	Ala	Pro	Glu	Gly	Ile	Arg	Gly	Tyr	Leu	Met
	50					55					60				
Glu	Val	Lys	Pro	Ala	Asn	Ala	Cys	His	Pro	Ile	Glu	Ala	Pro	Arg	Leu
65					70					75					80

Gly	Asn	Arg	Ser	Leu	Gly	Ala	Ile	Val	Leu	Ile	Arg	Arg	Tyr	Asp	Cys
				85					90					95	
Thr	Phe	Asp	Leu	Lys	Val	Leu	Asn	Ala	Gln	Arg	Ala	Gly	Phe	Glu	Ala
			100					105					110		
Ala	Ile	Val	His	Asn	Val	His	Ser	Asp	Asp	Leu	Val	Ser	Met	Thr	His
		115					120					125			
Val	Tyr	Glu	Asp	Leu	Arg	Gly	Gln	Ile	Ala	Ile	Pro	Ser	Val	Xaa	Val
	130					135					140				
Ser	Glu	Ala	Ala	Arg	Arg	Thr	Cys	Gly	Ser	Ser	Trp	Ala	Ala	Thr	Ser
145					150					155					160
Arg	Pro	Thr	Arg	Cys	Pro	Ala	Asp	Asp	Pro	Pro	Cys	His	Asp	Leu	Ala
				165					170					175	
Val	Thr	Pro	Cys												
			180												

<210> 1141
 <211> 225
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

Thr	Gln	Pro	Cys	Gln	Arg	Pro	Gly	Ile	Val	Thr	Pro	Val	Leu	Thr	Val
1				5					10					15	
Ser	Trp	Val	Leu	Xaa	Cys	Thr	Leu	Ala	Leu	Val	Val	Ser	Ala	Phe	Phe
			20					25					30		
Val	Leu	Asn	His	Leu	Trp	Leu	Trp	Ala	Gln	Ala	Cys	Xaa	Ser	His	Arg
		35					40					45			
Arg	Pro	Val	Lys	Thr	Ser	Thr	Cys	Gln	Lys	Ala	Gln	Val	Arg	Thr	Phe
		50				55					60				
Thr	Trp	His	Asn	Asp	Leu	Cys	Ala	Ile	Cys	Leu	Asp	Glu	Tyr	Glu	Glu
65					70				75					80	
Gly	Asp	Gln	Leu	Lys	Ile	Leu	Pro	Cys	Ser	His	Thr	Tyr	His	Cys	Lys
				85					90					95	

Cys Ile Asp Pro Trp Phe Ser Gln Ala Pro Arg Arg Ser Cys Pro Val
 100 105 110
 Cys Lys Gln Ser Val Ala Ala Thr Glu Asp Ser Phe Asp Ser Thr Thr
 115 120 125
 Tyr Ser Phe Arg Asp Glu Asp Pro Ser Leu Pro Gly His Arg Pro Pro
 130 135 140
 Ile Trp Ala Ile Gln Val Gln Tyr Ala Pro Gly Gly Trp Ser Cys Trp
 145 150 155 160
 Ala Ala Pro Val Pro Thr Ala Thr Ala Ala Pro Arg Pro Trp Arg Gln
 165 170 175
 Ser Ile Pro Leu Ser Pro Gln Pro Leu Leu Arg Pro Leu Val Ser Lys
 180 185 190
 Asp Leu Gly Gln Gly Gly Gly Cys Asn Glu Glu Cys Phe Trp Ser Glu
 195 200 205
 Lys Asn Lys Val Gly Leu Lys Ala Glu Lys Lys Lys Lys Lys Lys Thr
 210 215 220
 Arg
 225

<210> 1142
 <211> 359
 <212> PRT
 <213> Homo sapiens

<400> 1142
 Met Gly Trp Pro Arg Pro Gly Arg Ala Leu Val Ala Val Lys Ala Leu
 1 5 10 15
 Leu Val Leu Ser Leu Leu Gln Val Pro Ala Gln Ala Val Val Arg Ala
 20 25 30
 Val Leu Glu Asp Asn Ser Ser Ser Val Asp Phe Ala Asp Leu Pro Ala
 35 40 45
 Leu Phe Gly Val Pro Leu Ala Pro Glu Gly Ile Arg Gly Tyr Leu Met
 50 55 60
 Glu Val Lys Pro Ala Asn Ala Cys His Pro Ile Glu Ala Pro Arg Leu
 65 70 75 80
 Gly Asn Arg Ser Leu Gly Ala Ile Val Leu Ile Arg Arg Tyr Asp Cys
 85 90 95
 Thr Phe Asp Leu Lys Val Leu Asn Ala Gln Arg Ala Gly Phe Glu Ala
 100 105 110
 Ala Ile Val His Asn Val His Ser Asp Asp Leu Val Ser Met Thr His

115					120					125					
Val	Tyr	Glu	Asp	Leu	Arg	Gly	Gln	Ile	Ala	Ile	Pro	Ser	Val	Phe	Val
130						135					140				
Ser	Glu	Ala	Ala	Ser	Gln	Asp	Leu	Arg	Val	Ile	Leu	Gly	Cys	Asn	Lys
145					150					155					160
Ser	Ala	His	Ala	Leu	Leu	Leu	Pro	Asp	Asp	Pro	Pro	Cys	His	Asp	Leu
				165					170					175	
Gly	Cys	His	Pro	Val	Leu	Thr	Val	Ser	Trp	Val	Leu	Gly	Cys	Thr	Leu
			180					185					190		
Ala	Leu	Val	Val	Ser	Ala	Phe	Phe	Val	Leu	Asn	His	Leu	Trp	Leu	Trp
		195					200					205			
Ala	Gln	Ala	Cys	Cys	Ser	His	Arg	Arg	Pro	Val	Lys	Thr	Ser	Thr	Cys
	210					215					220				
Gln	Lys	Ala	Gln	Val	Arg	Thr	Phe	Thr	Trp	His	Asn	Asp	Leu	Cys	Ala
225					230					235					240
Ile	Cys	Leu	Asp	Glu	Tyr	Glu	Glu	Gly	Asp	Gln	Leu	Lys	Ile	Leu	Pro
				245					250					255	
Cys	Ser	His	Thr	Tyr	His	Cys	Lys	Cys	Ile	Asp	Pro	Trp	Phe	Ser	Gln
			260					265					270		
Ala	Pro	Arg	Arg	Ser	Cys	Pro	Val	Cys	Lys	Gln	Ser	Val	Ala	Ala	Thr
		275					280					285			
Glu	Asp	Ser	Phe	Asp	Ser	Thr	Thr	Tyr	Ser	Phe	Arg	Asp	Glu	Asp	Pro
	290					295					300				
Ser	Leu	Pro	Gly	His	Arg	Pro	Pro	Ile	Trp	Ala	Ile	Gln	Val	Gln	Leu
305					310					315					320
Arg	Ser	Arg	Arg	Leu	Glu	Leu	Leu	Gly	Arg	Ala	Ser	Pro	His	Cys	His
				325					330					335	
Cys	Ser	Thr	Thr	Ser	Leu	Glu	Ala	Glu	Tyr	Thr	Thr	Val	Ser	Ser	Ala
			340					345					350		
Pro	Pro	Glu	Ala	Pro	Gly	Gln									
		355													

<210> 1143
 <211> 133
 <212> PRT
 <213> Homo sapiens

<400> 1143
 Met Trp His Thr Lys Pro Leu Gly Ser Gly Ser Cys Val Pro Leu Leu
 1 5 10 15

Pro Leu Leu Leu Leu Leu Leu Leu Leu Phe Pro Leu Leu Pro Trp Pro
 20 25 30
 Pro Pro Leu Pro Pro Pro Pro Pro Ser Ser Leu His Pro Phe Ala Pro
 35 40 45
 Ala Phe Pro Ala Thr Gly Ser Leu Ser Ser Asn Asn Ser Gln Leu Leu
 50 55 60
 Ala Pro Leu Arg Leu Gln Asn Ala Leu His Leu Phe Lys Cys Phe Pro
 65 70 75 80
 Val Leu Phe Pro Leu His Lys Ile Ile Ser Phe His Pro Glu Tyr Pro
 85 90 95
 Trp Gln Ala Pro Ile Phe Gln Tyr Phe Tyr Leu Ser Ile Pro Ser Ser
 100 105 110
 Ser Leu His Pro Glu His Leu Gly His Ser Phe Val Ser Thr Leu His
 115 120 125
 Ser Pro Thr Arg Gln
 130

<210> 1144
 <211> 86
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1144
 Pro Cys Cys Phe His Lys Pro His Ala Ser His Ile Met Asn Phe Leu
 1 5 10 15
 Ile Arg Ile Gln Cys Ile Tyr Leu Pro Lys Ile Val Cys Ala Tyr Ser
 20 25 30
 Lys Tyr Glu Gln Phe Leu Asn Asn Gly Ser Ile Ile Phe Val Gln Asn
 35 40 45
 Ala Lys Asn Trp Gly Gln Ala Trp Trp His Thr Pro Val Ile Pro Ala
 50 55 60
 Leu Trp Glu Ala Lys Val Gly Xaa Ser Pro Glu Val Arg Ser Leu Arg
 65 70 75 80
 Pro Ala Trp Pro Ala Trp
 85

<210> 1145
<211> 133
<212> PRT
<213> Homo sapiens

<400> 1145
Met Trp His Thr Lys Pro Leu Gly Ser Gly Ser Cys Val Pro Leu Leu
1 5 10 15
Pro Leu Leu Leu Leu Leu Leu Leu Leu Phe Pro Leu Leu Pro Trp Pro
20 25 30
Pro Pro Leu Pro Pro Pro Pro Pro Ser Ser Leu His Pro Phe Ala Pro
35 40 45
Ala Phe Pro Ala Thr Gly Ser Leu Ser Ser Asn Asn Ser Gln Leu Leu
50 55 60
Ala Pro Leu Arg Leu Gln Asn Ala Leu His Leu Phe Lys Cys Phe Pro
65 70 75 80
Val Leu Phe Pro Leu His Lys Ile Ile Ser Phe His Pro Glu Tyr Pro
85 90 95
Trp Gln Ala Pro Ile Phe Gln Tyr Phe Tyr Leu Ser Ile Pro Ser Ser
100 105 110
Ser Leu His Pro Glu His Leu Gly His Ser Phe Val Ser Thr Leu His
115 120 125
Ser Pro Thr Arg Gln
130

<210> 1146
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1146
Met Ala Ala Leu Leu Leu Leu Pro Leu Leu Leu Leu Pro Leu Leu
1 5 10 15
Leu Leu Lys Leu His Leu Trp Pro Gln Leu Arg Trp Leu Pro Ala Asp
20 25 30
Leu Ala Phe Ala Val Arg Ala Leu Cys Cys Lys Arg Ala Leu Arg Ala
35 40 45
Arg Ala Leu Ala Ala Ala Ala Asp Pro Glu Gly Pro Glu Gly Gly

50		55		60											
Cys	Ser	Leu	Ala	Trp	Arg	Leu	Ala	Glu	Leu	Ala	Gln	Gln	Arg	Ala	Glu
65					70					75					80
Leu	Leu	Leu	Arg	Ser	Arg	Ala	Leu	Ala	Thr	Xaa	Arg	Arg	Ser	Ala	Arg
				85					90					95	
Val	Thr	Gly													

<210> 1147
 <211> 455
 <212> PRT
 <213> Homo sapiens

<400> 1147
Met Ala Ala Leu Leu Leu Leu Pro Leu Leu Leu Leu Leu Pro Leu Leu
1 5 10 15
Leu Leu Lys Leu His Leu Trp Pro Gln Leu Arg Trp Leu Pro Ala Asp
20 25 30
Leu Ala Phe Ala Val Arg Ala Leu Cys Cys Lys Arg Ala Leu Arg Ala
35 40 45
Arg Ala Leu Ala Ala Ala Ala Asp Pro Glu Gly Pro Glu Gly Pro
50 55 60
Cys Ile Leu Ala Trp Arg Leu Ala Glu Leu Ala Gln Gln Arg Ala Arg
65 70 75 80
Asn Phe Leu Leu Arg Ser Arg Ala Leu Ala Thr Gln Arg Arg Ser Ala
85 90 95
Arg Val Thr Gly Leu Thr Arg Leu Pro Thr Cys Ala Arg Leu Gly Leu
100 105 110
Gly Thr Arg Arg Arg Arg Gln Arg Arg Gly Glu Arg Trp Arg Arg Arg
115 120 125
Ala Gly Ser Ala Gly Ser Arg Arg Cys Ser Gly Arg Lys Arg Arg Gly
130 135 140
Val Cys Arg Arg Gly Arg Cys Arg Gln Arg Trp Arg Ser Arg Ala Pro
145 150 155 160
Leu Ser Pro Gly Ala Thr Val Ala Leu Leu Leu Pro Ala Gly Pro Glu
165 170 175
Phe Leu Trp Leu Trp Ile Gly Leu Ala Lys Ala Gly Leu Arg Thr Ala
180 185 190
Phe Val Pro Thr Ala Leu Arg Arg Gly Pro Leu Leu His Cys Leu Arg
195 200 205

<221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (91)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (124)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1148
 Met Met Leu Ile Pro Met Ala Ser Val Met Ala Val Thr Glu Pro Lys
 1 5 10 15
 Trp Val Ser Val Trp Ser Arg Phe Leu Trp Val Thr Leu Leu Ser Met
 20 25 30
 Val Leu Gly Ser Leu Leu Ala Leu Leu Leu Pro Leu Gly Ala Val Glu
 35 40 45
 Glu Gln Cys Leu Ala Val Leu Lys Gly Leu Tyr Leu Leu Arg Ser Lys
 50 55 60
 Pro Asp Arg Ala Gln His Ala Ala Pro Ser Ala Pro Xaa Arg Pro Arg
 65 70 75 80
 Ser Xaa Xaa Ser Pro Xaa Gly Ala Arg Arg Xaa Leu Val Ala Lys Thr
 85 90 95
 Lys Ala Phe Ser Ser Gly Val Lys Phe Gly Lys Ala Gln Glu Leu Ala
 100 105 110
 Leu Glu Pro Arg Pro Trp Lys Ile Lys Xaa Ala Xaa Gly Gln Ser Arg

115	120	125
Gly Lys Lys Ala Gln Lys Ser Ser Phe Asn Ala Pro Pro Phe Lys Glu		
130	135	140

Trp Asp Pro Gly Asn Phe Pro Gly Asp
145 150

<210> 1149
 <211> 361
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1149
Ala Xaa Pro Xaa Gly Lys Leu Glu Ala Arg Ala Ala Leu Asn Gln Ala
1 5 10 15

Leu Glu Xaa Lys Arg Gln Gly Lys Arg Glu Lys Ala Gln Lys Leu Phe
20 25 30

Met His Ala Leu Lys Met Asp Pro Asp Phe Val Asp Ala Leu Thr Glu
35 40 45

Phe Gly Ile Phe Ser Glu Glu Asp Lys Asp Ile Ile Gln Ala Asp Tyr
50 55 60

Leu Tyr Thr Arg Ala Leu Thr Ile Ser Pro Tyr His Glu Lys Ala Leu
65 70 75 80

Val Asn Arg Asp Arg Thr Leu Pro Leu Val Glu Glu Ile Asp Gln Arg
85 90 95

Tyr Phe Ser Ile Ile Asp Ser Lys Val Lys Lys Val Met Ser Ile Pro
100 105 110

Lys Gly Asn Ser Ala Leu Arg Arg Val Met Glu Glu Thr Tyr Tyr His
115 120 125

His Ile Tyr His Thr Val Ala Ile Glu Gly Asn Thr Leu Thr Leu Ser
130 135 140

Glu	Ile	Arg	His	Ile	Leu	Glu	Thr	Arg	Tyr	Ala	Val	Pro	Gly	Lys	Ser	145	150	155	160
Leu	Glu	Glu	Gln	Asn	Glu	Val	Ile	Gly	Met	His	Ala	Ala	Met	Lys	Tyr	165	170	175	
Ile	Asn	Thr	Thr	Leu	Val	Ser	Arg	Ile	Gly	Ser	Val	Thr	Ile	Ser	Asp	180	185	190	
Val	Leu	Glu	Ile	His	Arg	Arg	Val	Leu	Gly	Tyr	Val	Asp	Pro	Val	Glu	195	200	205	
Ala	Gly	Arg	Phe	Arg	Thr	Thr	Gln	Val	Leu	Val	Gly	His	His	Ile	Pro	210	215	220	
Pro	His	Pro	Gln	Asp	Val	Glu	Lys	Gln	Met	Gln	Glu	Phe	Val	Gln	Trp	225	230	235	240
Leu	Asn	Ser	Glu	Glu	Ala	Met	Asn	Leu	His	Pro	Val	Glu	Phe	Ala	Ala	245	250	255	
Leu	Ala	His	Tyr	Lys	Leu	Val	Tyr	Ile	His	Pro	Phe	Ile	Asp	Gly	Asn	260	265	270	
Gly	Arg	Thr	Ser	Arg	Leu	Leu	Met	Asn	Leu	Ile	Leu	Met	Gln	Ala	Gly	275	280	285	
Tyr	Pro	Pro	Ile	Thr	Ile	Arg	Lys	Glu	Gln	Arg	Ser	Asp	Tyr	Tyr	His	290	295	300	
Val	Leu	Glu	Ala	Ala	Asn	Glu	Gly	Asp	Val	Arg	Pro	Phe	Ile	Arg	Phe	305	310	315	320
Ile	Ala	Lys	Cys	Thr	Glu	Thr	Thr	Leu	Asp	Thr	Leu	Leu	Phe	Ala	Thr	325	330	335	
Thr	Glu	Tyr	Ser	Val	Ala	Leu	Pro	Glu	Ala	Gln	Pro	Asn	His	Ser	Gly	340	345	350	
Phe	Lys	Glu	Thr	Leu	Pro	Val	Lys	Pro								355	360		

<210> 1150
 <211> 458
 <212> PRT
 <213> Homo sapiens

<400> 1150
 Met Met Leu Ile Pro Met Ala Ser Val Met Ala Val Thr Glu Pro Lys
 1 5 10 15
 Trp Val Ser Val Trp Ser Arg Phe Leu Trp Val Thr Leu Leu Ser Met
 20 25 30

Val	Leu	Gly	Ser	Leu	Leu	Ala	Leu	Leu	Leu	Pro	Leu	Gly	Ala	Val	Glu	35	40	45	
Glu	Gln	Cys	Leu	Ala	Val	Leu	Lys	Gly	Leu	Tyr	Leu	Leu	Arg	Ser	Lys	50	55	60	
Pro	Asp	Arg	Ala	Gln	His	Ala	Ala	Thr	Lys	Cys	Thr	Ser	Pro	Ser	Thr	65	70	75	80
Glu	Leu	Ser	Ile	Thr	Ser	Arg	Gly	Ala	Thr	Leu	Leu	Val	Ala	Lys	Thr	85	90	95	
Lys	Ala	Ser	Pro	Ala	Gly	Lys	Leu	Glu	Ala	Arg	Ala	Ala	Leu	Asn	Gln	100	105	110	
Ala	Leu	Glu	Met	Lys	Arg	Gln	Gly	Lys	Arg	Glu	Lys	Ala	Gln	Lys	Leu	115	120	125	
Phe	Met	His	Ala	Leu	Lys	Met	Asp	Pro	Asp	Phe	Val	Asp	Ala	Leu	Thr	130	135	140	
Glu	Phe	Gly	Ile	Phe	Ser	Glu	Glu	Asp	Lys	Asp	Ile	Ile	Gln	Ala	Asp	145	150	155	160
Tyr	Leu	Tyr	Thr	Arg	Ala	Leu	Thr	Ile	Ser	Pro	Tyr	His	Glu	Lys	Ala	165	170	175	
Leu	Val	Asn	Arg	Asp	Arg	Thr	Leu	Pro	Leu	Val	Glu	Glu	Ile	Asp	Gln	180	185	190	
Arg	Tyr	Phe	Ser	Ile	Ile	Asp	Ser	Lys	Val	Lys	Lys	Val	Met	Ser	Ile	195	200	205	
Pro	Lys	Gly	Asn	Ser	Ala	Leu	Arg	Arg	Val	Met	Glu	Glu	Thr	Tyr	Tyr	210	215	220	
His	His	Ile	Tyr	His	Thr	Val	Ala	Ile	Glu	Gly	Asn	Thr	Leu	Thr	Leu	225	230	235	240
Ser	Glu	Ile	Arg	His	Ile	Leu	Glu	Thr	Arg	Tyr	Ala	Val	Pro	Gly	Lys	245	250	255	
Ser	Leu	Glu	Glu	Gln	Asn	Glu	Val	Ile	Gly	Met	His	Ala	Ala	Met	Lys	260	265	270	
Tyr	Ile	Asn	Thr	Thr	Leu	Val	Ser	Arg	Ile	Gly	Ser	Val	Thr	Ile	Ser	275	280	285	
Asp	Val	Leu	Glu	Ile	His	Arg	Arg	Val	Leu	Gly	Tyr	Val	Asp	Pro	Val	290	295	300	
Glu	Ala	Gly	Arg	Phe	Arg	Thr	Thr	Gln	Val	Leu	Val	Gly	His	His	Ile	305	310	315	320
Pro	Pro	His	Pro	Gln	Asp	Val	Glu	Lys	Gln	Met	Gln	Glu	Phe	Val	Gln	325	330	335	

Trp Leu Asn Ser Glu Glu Ala Met Asn Leu His Pro Val Glu Phe Ala
 340 345 350
 Ala Leu Ala His Tyr Lys Leu Val Tyr Ile His Pro Phe Ile Asp Gly
 355 360 365
 Asn Gly Arg Thr Ser Arg Leu Leu Met Asn Leu Ile Leu Met Gln Ala
 370 375 380
 Gly Tyr Pro Pro Ile Thr Ile Arg Lys Glu Gln Arg Ser Asp Tyr Tyr
 385 390 395 400
 His Val Leu Glu Ala Ala Asn Glu Gly Asp Val Arg Pro Phe Ile Arg
 405 410 415
 Phe Ile Ala Lys Cys Thr Glu Thr Thr Leu Asp Thr Leu Leu Phe Ala
 420 425 430
 Thr Thr Glu Tyr Ser Val Ala Leu Pro Glu Ala Gln Pro Asn His Ser
 435 440 445
 Gly Phe Lys Glu Thr Leu Pro Val Lys Pro
 450 455

<210> 1151
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1151
 Ala Gln Arg Asn Pro Gly Ala Val Pro Ala Val Trp Arg Gln Ala Gly
 1 5 10 15
 Val Thr Phe Thr Ser Ala Lys Gly Arg Ser Ser Pro Tyr Trp Ser Leu
 20 25 30
 His Pro Gln Ile Ile Leu Leu Arg Lys Leu Ser Ser Ser Xaa Gln Lys
 35 40 45
 Pro Arg Ser Ser Ser Ala Gln Cys Gly Arg Asn Ala Ala Ala Gly Leu
 50 55 60
 Pro His Cys Leu Arg Ala Ser Trp Ser Arg Leu Leu Lys Ile Glu Trp
 65 70 75 80
 Gln Val Gly Leu Ala Trp Ala Gly Ala Asp Val Leu Cys Gly His Pro
 85 90 95
 Val Pro Lys Arg Pro Pro Thr Leu Gly Pro Gln Thr Ser Gly Ala Asp
 100 105 110

Trp His Leu Arg Gly His Ser Pro Thr His Leu Leu Gln
115 120 125

<210> 1152
<211> 17
<212> PRT
<213> Homo sapiens

<400> 1152
Met Leu Ser Gly Ser Leu Gly Ser Ala Val Cys Met Ser Ser Gln Pro
1 5 10 15

Arg

<210> 1153
<211> 17
<212> PRT
<213> Homo sapiens

<400> 1153
Met Leu Ser Gly Ser Leu Gly Ser Ala Val Cys Met Ser Ser Gln Pro
1 5 10 15

Arg

<210> 1154
<211> 254
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (218)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (228)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (240)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1154
Glu Thr Arg Leu His His Val Ser Thr Leu Ala Ala Phe Thr Val Arg
1 5 10 15

<211> 302
<212> PRT
<213> Homo sapiens

<400> 1156

Met	Glu	Ala	Thr	Gly	Thr	Trp	Ala	Leu	Leu	Leu	Ala	Leu	Ala	Leu	Leu	
1				5				10						15		
Leu	Leu	Leu	Thr	Leu	Ala	Leu	Ser	Gly	Thr	Arg	Ala	Arg	Gly	His	Leu	
			20					25					30			
Pro	Pro	Gly	Pro	Thr	Pro	Leu	Pro	Leu	Leu	Gly	Asn	Leu	Leu	Gln	Leu	
		35					40					45				
Arg	Pro	Gly	Ala	Leu	Tyr	Ser	Gly	Leu	Met	Arg	Leu	Ser	Lys	Lys	Tyr	
	50					55					60					
Gly	Pro	Val	Phe	Thr	Ile	Tyr	Leu	Gly	Pro	Trp	Arg	Pro	Val	Val	Val	
65					70					75					80	
Leu	Val	Gly	Gln	Glu	Ala	Val	Arg	Glu	Ala	Leu	Gly	Gly	Gln	Ala	Glu	
			85						90					95		
Glu	Phe	Ser	Gly	Arg	Gly	Thr	Val	Ala	Met	Leu	Glu	Gly	Thr	Phe	Asp	
			100					105					110			
Gly	His	Gly	Val	Phe	Phe	Ser	Asn	Gly	Glu	Arg	Trp	Arg	Gln	Leu	Arg	
		115					120					125				
Lys	Phe	Thr	Met	Leu	Ala	Leu	Arg	Asp	Leu	Gly	Met	Gly	Lys	Arg	Glu	
	130					135					140					
Gly	Glu	Glu	Leu	Ile	Gln	Ala	Glu	Ala	Arg	Cys	Leu	Val	Glu	Thr	Phe	
145				150					155						160	
Gln	Gly	Thr	Glu	Gly	Arg	Pro	Phe	Asp	Pro	Ser	Leu	Leu	Leu	Ala	Gln	
			165						170					175		
Ala	Thr	Ser	Asn	Val	Val	Cys	Ser	Leu	Leu	Phe	Gly	Leu	Arg	Phe	Ser	
			180					185					190			
Tyr	Glu	Asp	Lys	Glu	Phe	Gln	Ala	Val	Val	Arg	Ala	Ala	Gly	Gly	Thr	
		195				200						205				
Leu	Leu	Gly	Val	Ser	Ser	Gln	Gly	Gly	Gln	Val	Ser	Gly	Trp	Asp	Pro	
	210					215					220					
Ser	Pro	Thr	Thr	Phe	Pro	Glu	Gly	Ser	Cys	Gln	Gly	Pro	Met	Arg	Thr	
225					230					235					240	
Ser	Cys	Pro	Ser	Pro	His	Arg	Pro	Thr	Arg	Cys	Ser	Pro	Gly	Ser	Cys	
			245						250					255		
Gly	Pro	Cys	Gln	Ala	Pro	Thr	Ser	Ser	Ser	Ser	Thr	Thr	Ser	Ala	Pro	
		260					265						270			
Trp	Leu	Pro	Ser	Gln	Ser	Gly	Arg	Cys	Ser	Ser	Thr	Arg	Gly	Thr	Trp	

275		280		285									
Met	Leu	Arg	Ala	Pro	His	Val	Thr	Leu	Ser	Met	Pro	Ser	Cys
290						295					300		

<210> 1157
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 1157
 Met Thr Ala Pro Val Pro Ala Pro Arg Ile Leu Leu Pro Leu Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Thr Pro Pro Pro Gly Ala Arg Gly Glu Val Cys Met
 20 25 30
 Ala Ser Arg Gly Leu Ser Leu Phe Pro Glu Ser Cys Pro Asp Phe Cys
 35 40 45
 Cys Gly Thr Cys Asp Asp Gln Tyr Cys Cys Ser Asp Val Leu Lys Lys
 50 55 60
 Phe Val Trp Ser Glu Glu Arg Cys Ala Val Pro Glu Ala Ser Val Pro
 65 70 75 80
 Ala Ser Val Glu Pro Val Glu Gln Leu Gly Ser Ala Leu Arg Phe Arg
 85 90 95
 Pro Gly Tyr Asn Asp Pro Met Ser Gly Phe Gly Ala Thr Leu Ala Val
 100 105 110
 Gly Leu Thr Ile Phe Val Leu Ser Val Val Thr Ile Ile Ile Cys Phe
 115 120 125
 Thr Cys Ser Cys Cys Cys Leu Tyr Lys Thr Cys Arg Arg Pro Arg Pro
 130 135 140
 Val Val Thr Thr Thr Thr Ser Thr Thr Val Val His Ala Pro Tyr Pro
 145 150 155 160
 Gln Pro Pro Ser Val Pro Pro Ser Tyr Pro Gly Pro Ser Tyr Gln Gly
 165 170 175
 Tyr His Thr Met Pro Pro Gln Pro Gly Met Pro Ala Ala Pro Tyr Pro
 180 185 190
 Met Gln Tyr Pro Pro Pro Tyr Pro Ala Gln Pro Met Gly Pro Pro Ala
 195 200 205
 Tyr His Glu Thr Leu Ala Gly Gly Ala Ala Ala Pro Tyr Pro Ala Ser
 210 215 220
 Gln Pro Pro Tyr Asn Pro Ala Tyr Met Asp Ala Pro Lys Ala Ala Leu
 225 230 235 240

<210> 1158
<211> 240
<212> PRT
<213> Homo sapiens

<400> 1158

Met	Thr	Ala	Pro	Val	Pro	Ala	Pro	Arg	Ile	Leu	Leu	Pro	Leu	Leu	Leu	
1				5					10					15		
Leu	Leu	Leu	Leu	Thr	Pro	Pro	Pro	Gly	Ala	Arg	Gly	Glu	Val	Cys	Met	
			20					25					30			
Ala	Ser	Arg	Gly	Leu	Ser	Leu	Phe	Pro	Glu	Ser	Cys	Pro	Asp	Phe	Cys	
		35					40					45				
Cys	Gly	Thr	Cys	Asp	Asp	Gln	Tyr	Cys	Cys	Ser	Asp	Val	Leu	Lys	Lys	
	50					55					60					
Phe	Val	Trp	Ser	Glu	Glu	Arg	Cys	Ala	Val	Pro	Glu	Ala	Ser	Val	Pro	
65					70					75					80	
Ala	Ser	Val	Glu	Pro	Val	Glu	Gln	Leu	Gly	Ser	Ala	Leu	Arg	Phe	Arg	
				85					90					95		
Pro	Gly	Tyr	Asn	Asp	Pro	Met	Ser	Gly	Phe	Gly	Ala	Thr	Leu	Ala	Val	
			100					105					110			
Gly	Leu	Thr	Ile	Phe	Val	Leu	Ser	Val	Val	Thr	Ile	Ile	Ile	Cys	Phe	
		115					120					125				
Thr	Cys	Ser	Cys	Cys	Cys	Leu	Tyr	Lys	Thr	Cys	Arg	Arg	Pro	Arg	Pro	
	130					135					140					
Val	Val	Thr	Thr	Thr	Thr	Ser	Thr	Thr	Val	Val	His	Ala	Pro	Tyr	Pro	
145					150					155					160	
Gln	Pro	Pro	Ser	Val	Pro	Pro	Ser	Tyr	Pro	Gly	Pro	Ser	Tyr	Gln	Gly	
				165					170					175		
Tyr	His	Thr	Met	Pro	Pro	Gln	Pro	Gly	Met	Pro	Ala	Ala	Pro	Tyr	Pro	
			180					185					190			
Met	Gln	Tyr	Pro	Pro	Pro	Tyr	Pro	Ala	Gln	Pro	Met	Gly	Pro	Pro	Ala	
		195					200					205				
Tyr	His	Glu	Thr	Leu	Ala	Gly	Gly	Ala	Ala	Ala	Pro	Tyr	Pro	Ala	Ser	
		210				215					220					
Gln	Pro	Pro	Tyr	Asn	Pro	Ala	Tyr	Met	Asp	Ala	Pro	Lys	Ala	Ala	Leu	
225					230					235					240	

<210> 1159
<211> 116
<212> PRT
<213> Homo sapiens

<400> 1159
Met Lys Gly Leu Arg Ser Leu Ala Ala Thr Thr Leu Ala Leu Phe Leu
1 5 10 15
Val Phe Val Phe Leu Gly Asn Ser Ser Cys Ala Pro Gln Arg Leu Leu
20 25 30
Glu Arg Arg Asn Trp Thr Pro Gln Ala Met Leu Tyr Leu Lys Gly Ala
35 40 45
Gln Gly Arg Arg Phe Ile Ser Asp Gln Ser Arg Arg Lys Asp Leu Ser
50 55 60
Asp Arg Pro Leu Pro Glu Arg Arg Ser Pro Asn Pro Gln Leu Leu Thr
65 70 75 80
Ile Pro Glu Ala Ala Thr Ile Leu Leu Ala Ser Leu Gln Lys Ser Pro
85 90 95
Glu Asp Glu Glu Lys Asn Phe Asp Gln Thr Arg Phe Leu Glu Asp Ser
100 105 110
Leu Leu Asn Trp
115

<210> 1160
<211> 116
<212> PRT
<213> Homo sapiens

<400> 1160
Met Lys Gly Leu Arg Ser Leu Ala Ala Thr Thr Leu Ala Leu Phe Leu
1 5 10 15
Val Phe Val Phe Leu Gly Asn Ser Ser Cys Ala Pro Gln Arg Leu Leu
20 25 30
Glu Arg Arg Asn Trp Thr Pro Gln Ala Met Leu Tyr Leu Lys Gly Ala
35 40 45
Gln Gly Arg Arg Phe Ile Ser Asp Gln Ser Arg Arg Lys Asp Leu Ser
50 55 60
Asp Arg Pro Leu Pro Glu Arg Arg Ser Pro Asn Pro Gln Leu Leu Thr
65 70 75 80

Ile Pro Glu Ala Ala Thr Ile Leu Leu Ala Ser Leu Gln Lys Ser Pro
85 90 95

Glu Asp Glu Glu Lys Asn Phe Asp Gln Thr Arg Phe Leu Glu Asp Ser
100 105 110

Leu Leu Asn Trp
115

<210> 1161
<211> 426
<212> PRT
<213> Homo sapiens

<400> 1161
Val Val Pro Phe Ser Gly Met Leu Pro Pro Gly Ala Glu Lys Ala Val
1 5 10 15

Ala Ser Phe Val Thr Gln Leu Ala Ala Ala Glu Ala Leu Gln Lys Ala
20 25 30

Pro Asp Val Thr Thr Leu Pro Arg Asn Val Met Phe Val Phe Phe Gln
35 40 45

Gly Glu Thr Phe Asp Tyr Ile Gly Ser Ser Arg Met Val Tyr Asp Met
50 55 60

Glu Lys Gly Lys Phe Pro Val Gln Leu Glu Asn Val Asp Ser Phe Val
65 70 75 80

Glu Leu Gly Gln Val Ala Leu Arg Thr Ser Leu Glu Leu Trp Met His
85 90 95

Thr Asp Pro Val Ser Gln Lys Asn Glu Ser Val Arg Asn Gln Val Glu
100 105 110

Asp Leu Leu Ala Thr Leu Glu Lys Ser Gly Ala Gly Val Pro Ala Val
115 120 125

Ile Leu Arg Arg Pro Asn Gln Ser Gln Pro Leu Pro Pro Ser Ser Leu
130 135 140

Gln Arg Phe Leu Arg Ala Arg Asn Ile Ser Gly Val Val Leu Ala Asp
145 150 155 160

His Ser Gly Ala Phe His Asn Lys Tyr Tyr Gln Ser Ile Tyr Asp Thr
165 170 175

Ala Glu Asn Ile Asn Val Ser Tyr Pro Glu Trp Leu Ser Pro Glu Glu
180 185 190

Asp Leu Asn Phe Val Thr Asp Thr Ala Lys Ala Leu Ala Asp Val Ala
195 200 205

Thr	Val	Leu	Gly	Arg	Ala	Leu	Tyr	Glu	Leu	Ala	Gly	Gly	Thr	Asn	Phe
210						215					220				
Ser	Asp	Thr	Val	Gln	Ala	Asp	Pro	Gln	Thr	Val	Thr	Arg	Leu	Leu	Tyr
225					230					235					240
Gly	Phe	Leu	Ile	Lys	Ala	Asn	Asn	Ser	Trp	Phe	Gln	Ser	Ile	Leu	Arg
				245					250					255	
Gln	Asp	Leu	Arg	Ser	Tyr	Leu	Gly	Asp	Gly	Pro	Leu	Gln	His	Tyr	Ile
			260					265					270		
Ala	Val	Ser	Ser	Pro	Thr	Asn	Thr	Thr	Tyr	Val	Val	Gln	Tyr	Ala	Leu
		275					280					285			
Ala	Asn	Leu	Thr	Gly	Thr	Val	Val	Asn	Leu	Thr	Arg	Glu	Gln	Cys	Gln
		290					295				300				
Asp	Pro	Ser	Lys	Val	Pro	Ser	Glu	Asn	Lys	Asp	Leu	Tyr	Glu	Tyr	Ser
305					310					315					320
Trp	Val	Gln	Gly	Pro	Leu	His	Ser	Asn	Glu	Thr	Asp	Arg	Leu	Pro	Arg
				325					330					335	
Cys	Val	Arg	Ser	Thr	Ala	Arg	Leu	Ala	Arg	Ala	Leu	Ser	Pro	Ala	Phe
			340					345					350		
Glu	Leu	Ser	Gln	Trp	Ser	Ser	Thr	Glu	Tyr	Ser	Thr	Trp	Thr	Glu	Ser
		355					360					365			
Arg	Trp	Lys	Asp	Ile	Arg	Ala	Arg	Ile	Phe	Leu	Ile	Ala	Ser	Lys	Glu
		370				375					380				
Leu	Glu	Leu	Ile	Thr	Leu	Thr	Val	Gly	Phe	Gly	Ile	Leu	Ile	Phe	Ser
385					390					395					400
Leu	Ile	Val	Thr	Tyr	Cys	Ile	Asn	Ala	Lys	Ala	Asp	Val	Leu	Phe	Ile
				405					410					415	
Ala	Pro	Arg	Glu	Pro	Gly	Ala	Val	Ser	Tyr						
			420					425							

<210> 1162
 <211> 417
 <212> PRT
 <213> Homo sapiens

<400> 1162
 Met Ala Thr Ala Gly Gly Gly Ser Gly Ala Asp Pro Gly Ser Arg Gly
 1 5 10 15
 Leu Leu Arg Leu Leu Ser Phe Cys Val Leu Leu Ala Gly Leu Cys Arg
 20 25 30
 Gly Asn Ser Val Glu Arg Lys Ile Tyr Ile Pro Leu Asn Lys Thr Ala

35			40			45									
Pro	Cys	Val	Arg	Leu	Leu	Asn	Ala	Thr	His	Gln	Ile	Gly	Cys	Gln	Ser
	50					55					60				
Ser	Ile	Ser	Gly	Asp	Thr	Gly	Val	Ile	His	Val	Val	Glu	Lys	Glu	Glu
65					70					75					80
Asp	Leu	Gln	Trp	Val	Leu	Thr	Asp	Gly	Pro	Asn	Pro	Pro	Tyr	Met	Val
				85					90					95	
Leu	Leu	Glu	Ser	Lys	His	Phe	Thr	Arg	Asp	Leu	Met	Glu	Lys	Leu	Lys
			100					105					110		
Gly	Arg	Thr	Ser	Arg	Ile	Ala	Gly	Leu	Ala	Val	Ser	Leu	Thr	Lys	Pro
		115					120					125			
Ser	Pro	Ala	Ser	Gly	Phe	Ser	Pro	Ser	Val	Gln	Cys	Pro	Asn	Asp	Gly
	130					135					140				
Phe	Gly	Val	Tyr	Ser	Asn	Ser	Tyr	Gly	Pro	Glu	Phe	Ala	His	Cys	Arg
145					150					155					160
Glu	Ile	Gln	Trp	Asn	Ser	Leu	Gly	Asn	Gly	Leu	Ala	Tyr	Glu	Asp	Phe
				165					170					175	
Ser	Phe	Pro	Ile	Phe	Leu	Leu	Glu	Asp	Glu	Asn	Glu	Thr	Lys	Val	Ile
			180					185					190		
Lys	Gln	Cys	Tyr	Gln	Asp	His	Asn	Leu	Ser	Gln	Asn	Gly	Ser	Ala	Pro
		195					200					205			
Thr	Phe	Pro	Leu	Cys	Ala	Met	Gln	Leu	Phe	Ser	His	Met	His	Ala	Val
	210					215					220				
Ile	Ser	Thr	Ala	Thr	Cys	Met	Arg	Arg	Ser	Ser	Ile	Gln	Ser	Thr	Phe
225					230					235					240
Ser	Ile	Asn	Pro	Glu	Ile	Val	Cys	Asp	Pro	Leu	Ser	Asp	Tyr	Asn	Val
				245					250					255	
Trp	Ser	Met	Leu	Lys	Pro	Ile	Asn	Thr	Thr	Gly	Thr	Leu	Lys	Pro	Asp
			260					265					270		
Asp	Arg	Val	Val	Val	Ala	Ala	Thr	Arg	Leu	Asp	Ser	Arg	Ser	Phe	Phe
		275					280					285			
Trp	Asn	Val	Ala	Pro	Gly	Ala	Glu	Ser	Ala	Val	Ala	Ser	Phe	Val	Thr
	290					295					300				
Gln	Leu	Ala	Ala	Ala	Glu	Ala	Leu	Gln	Lys	Ala	Pro	Asp	Val	Thr	Thr
305					310					315					320
Leu	Pro	Arg	Asn	Val	Met	Phe	Val	Phe	Phe	Gln	Gly	Glu	Thr	Phe	Asp
				325					330					335	
Tyr	Ile	Gly	Ser	Ser	Arg	Met	Val	Tyr	Asp	Met	Glu	Lys	Gly	Lys	Phe

340	345	350
Pro Val Gln Leu Glu Asn Val Asp Ser Phe Val Glu Leu Gly Gln Val		
355	360	365
Ala Leu Arg Thr Ser Leu Glu Leu Trp Met His Thr Asp Pro Val Ser		
370	375	380
Gln Lys Asn Glu Ser Val Arg Asn Gln Val Glu Asp Leu Leu Ala Thr		
385	390	395
Leu Glu Thr Val Ser Tyr Ala His Leu Asn Leu Gln Gly Gly Glu Val		
	405	410
		415
Leu		

<210> 1163
 <211> 709
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (216)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1163
Met Ala Thr Ala Gly Gly Gly Ser Gly Ala Asp Pro Gly Ser Arg Gly
1 5 10 15
Leu Leu Arg Leu Leu Ser Phe Cys Val Leu Leu Ala Gly Leu Cys Arg
20 25 30
Gly Asn Ser Val Glu Arg Lys Ile Tyr Ile Pro Leu Asn Lys Thr Ala
35 40 45
Pro Cys Val Arg Leu Leu Asn Ala Thr His Gln Ile Gly Cys Gln Ser
50 55 60
Ser Ile Ser Gly Asp Thr Gly Val Ile His Val Val Glu Lys Glu Glu
65 70 75 80
Asp Leu Gln Trp Val Leu Thr Asp Gly Pro Asn Pro Pro Tyr Met Val
85 90 95
Leu Leu Glu Ser Lys His Phe Thr Arg Asp Leu Met Glu Lys Leu Lys
100 105 110
Gly Arg Thr Ser Arg Ile Ala Gly Leu Ala Val Ser Leu Thr Lys Pro
115 120 125
Ser Pro Ala Ser Gly Phe Ser Pro Ser Val Gln Cys Pro Asn Asp Gly
130 135 140

Phe	Gly	Val	Tyr	Ser	Asn	Ser	Tyr	Gly	Pro	Glu	Phe	Ala	His	Cys	Arg	145	150	155	160
Glu	Ile	Gln	Trp	Asn	Ser	Leu	Gly	Asn	Gly	Leu	Ala	Tyr	Glu	Asp	Phe	165	170	175	
Ser	Phe	Pro	Ile	Phe	Leu	Leu	Glu	Asp	Glu	Asn	Glu	Thr	Lys	Val	Ile	180	185	190	
Lys	Gln	Cys	Tyr	Gln	Asp	His	Asn	Leu	Ser	Gln	Asn	Gly	Ser	Ala	Pro	195	200	205	
Ser	Phe	Pro	Leu	Cys	Ala	Met	Xaa	Leu	Phe	Ser	His	Met	His	Ala	Val	210	215	220	
Ile	Ser	Thr	Ala	Thr	Cys	Met	Arg	Arg	Ser	Ser	Ile	Gln	Ser	Thr	Phe	225	230	235	240
Ser	Ile	Asn	Pro	Glu	Ile	Val	Cys	Asp	Pro	Leu	Ser	Asp	Tyr	Asn	Val	245	250	255	
Trp	Ser	Met	Leu	Lys	Pro	Ile	Asn	Thr	Thr	Gly	Thr	Leu	Lys	Pro	Asp	260	265	270	
Asp	Arg	Val	Val	Val	Ala	Ala	Thr	Arg	Leu	Asp	Ser	Arg	Ser	Phe	Phe	275	280	285	
Trp	Asn	Val	Ala	Pro	Gly	Ala	Glu	Ser	Ala	Val	Ala	Ser	Phe	Val	Thr	290	295	300	
Gln	Leu	Ala	Ala	Ala	Glu	Ala	Leu	Gln	Lys	Ala	Pro	Asp	Val	Thr	Thr	305	310	315	320
Leu	Pro	Arg	Asn	Val	Met	Phe	Val	Phe	Phe	Gln	Gly	Glu	Thr	Phe	Asp	325	330	335	
Tyr	Ile	Gly	Ser	Ser	Arg	Met	Val	Tyr	Asp	Met	Glu	Lys	Gly	Lys	Phe	340	345	350	
Pro	Val	Gln	Leu	Glu	Asn	Val	Asp	Ser	Phe	Val	Glu	Leu	Gly	Gln	Val	355	360	365	
Ala	Leu	Arg	Thr	Ser	Leu	Glu	Leu	Trp	Met	His	Thr	Asp	Pro	Val	Ser	370	375	380	
Gln	Lys	Asn	Glu	Ser	Val	Arg	Asn	Gln	Val	Glu	Asp	Leu	Leu	Ala	Thr	385	390	395	400
Leu	Glu	Lys	Ser	Gly	Ala	Gly	Val	Pro	Ala	Val	Ile	Leu	Arg	Arg	Pro	405	410	415	
Asn	Gln	Ser	Gln	Pro	Leu	Pro	Pro	Ser	Ser	Leu	Gln	Arg	Phe	Leu	Arg	420	425	430	
Ala	Arg	Asn	Ile	Ser	Gly	Val	Val	Leu	Ala	Asp	His	Ser	Gly	Ala	Phe	435	440	445	

His	Asn	Lys	Tyr	Tyr	Gln	Ser	Ile	Tyr	Asp	Thr	Ala	Glu	Asn	Ile	Asn		
450						455					460						
Val	Ser	Tyr	Pro	Glu	Trp	Leu	Ser	Pro	Glu	Glu	Asp	Leu	Asn	Phe	Val		
465					470					475					480		
Thr	Asp	Thr	Ala	Lys	Ala	Leu	Ala	Asp	Val	Ala	Thr	Val	Leu	Gly	Arg		
				485					490					495			
Ala	Leu	Tyr	Glu	Leu	Ala	Gly	Gly	Thr	Asn	Phe	Ser	Asp	Thr	Val	Gln		
			500					505					510				
Ala	Asp	Pro	Gln	Thr	Val	Thr	Arg	Leu	Leu	Tyr	Gly	Phe	Leu	Ile	Lys		
		515					520					525					
Ala	Asn	Asn	Ser	Trp	Phe	Gln	Ser	Ile	Leu	Arg	Gln	Asp	Leu	Arg	Ser		
		530				535					540						
Tyr	Leu	Gly	Asp	Gly	Pro	Leu	Gln	His	Tyr	Ile	Ala	Val	Ser	Ser	Pro		
545					550					555					560		
Thr	Asn	Thr	Thr	Tyr	Val	Val	Gln	Tyr	Ala	Leu	Ala	Asn	Leu	Thr	Gly		
				565					570					575			
Thr	Val	Val	Asn	Leu	Thr	Arg	Glu	Gln	Cys	Gln	Asp	Pro	Ser	Lys	Val		
			580					585					590				
Pro	Ser	Glu	Asn	Lys	Asp	Leu	Tyr	Glu	Tyr	Ser	Trp	Val	Gln	Gly	Pro		
		595					600					605					
Leu	His	Ser	Asn	Glu	Thr	Asp	Arg	Leu	Pro	Arg	Cys	Val	Arg	Ser	Thr		
	610					615					620						
Ala	Arg	Leu	Ala	Arg	Ala	Leu	Ser	Pro	Ala	Phe	Glu	Leu	Ser	Gln	Trp		
625					630					635					640		
Ser	Ser	Thr	Glu	Tyr	Ser	Thr	Trp	Thr	Glu	Ser	Arg	Trp	Lys	Asp	Ile		
			645						650					655			
Arg	Ala	Arg	Ile	Phe	Leu	Ile	Ala	Ser	Lys	Glu	Leu	Glu	Leu	Ile	Thr		
			660					665						670			
Leu	Thr	Val	Gly	Phe	Gly	Ile	Leu	Ile	Phe	Ser	Leu	Ile	Val	Thr	Tyr		
		675					680					685					
Cys	Ile	Asn	Ala	Lys	Ala	Asp	Val	Leu	Phe	Ile	Ala	Pro	Arg	Glu	Pro		
	690					695					700						
Gly	Ala	Val	Ser	Tyr													
705																	

<210> 1164
 <211> 230
 <212> PRT
 <213> Homo sapiens

<400> 1164

Met Thr Gly Leu Tyr Glu Leu Val Trp Arg Val Leu His Ala Leu Leu
1 5 10 15

Cys Leu His Arg Thr Leu Thr Ser Trp Leu Arg Val Arg Phe Gly Thr
20 25 30

Trp Asn Trp Ile Trp Arg Arg Cys Cys Arg Ala Ala Ser Ala Ala Val
35 40 45

Leu Ala Pro Leu Gly Phe Thr Leu Arg Lys Pro Pro Ala Val Gly Arg
50 55 60

Asn Arg Arg His His Arg His Pro Arg Gly Gly Ser Cys Leu Ala Ala
65 70 75 80

Ala His His Arg Met Arg Trp Arg Ala Asp Gly Arg Ser Leu Glu Lys
85 90 95

Leu Pro Val His Met Gly Leu Val Ile Thr Glu Val Glu Gln Glu Pro
100 105 110

Ser Phe Ser Asp Ile Ala Ser Leu Val Val Trp Cys Met Ala Val Gly
115 120 125

Ile Ser Tyr Ile Ser Val Tyr Asp His Gln Gly Ile Phe Lys Arg Asn
130 135 140

Asn Ser Arg Leu Met Asp Glu Ile Leu Lys Gln Gln Gln Glu Leu Leu
145 150 155 160

Gly Leu Asp Cys Ser Lys Tyr Ser Pro Glu Phe Ala Asn Ser Asn Asp
165 170 175

Lys Asp Asp Gln Val Leu Asn Cys His Leu Ala Val Lys Val Leu Ser
180 185 190

Ala Gly Arg Trp Lys Ser Arg Tyr Cys Lys Ser Cys Ser Gly Leu Leu
195 200 205

Pro Val Ser Ser Pro Glu Ala Lys Glu Thr His Arg Phe Gly Cys Arg
210 215 220

Tyr Val Ser Gln Phe Thr
225 230

<210> 1165

<211> 293

<212> PRT

<213> Homo sapiens

<400> 1165

Met Thr Gly Leu Tyr Glu Leu Val Trp Arg Val Leu His Ala Leu Leu
1 5 10 15

Cys	Leu	His	Arg	Thr	Leu	Thr	Ser	Trp	Leu	Arg	Val	Arg	Phe	Gly	Thr			
			20					25					30					
Trp	Asn	Trp	Ile	Trp	Arg	Arg	Cys	Cys	Arg	Ala	Ala	Ser	Ala	Ala	Val			
		35					40					45						
Leu	Ala	Pro	Leu	Gly	Phe	Thr	Leu	Arg	Lys	Pro	Pro	Ala	Val	Gly	Arg			
	50					55					60							
Asn	Arg	Arg	His	His	Arg	His	Pro	Arg	Gly	Gly	Ser	Cys	Leu	Ala	Ala			
65					70				75						80			
Ala	His	His	Arg	Met	Arg	Trp	Arg	Ala	Asp	Gly	Arg	Ser	Leu	Glu	Lys			
				85					90					95				
Leu	Pro	Val	His	Met	Gly	Leu	Val	Ile	Thr	Glu	Val	Glu	Gln	Glu	Pro			
			100					105					110					
Ser	Phe	Ser	Asp	Ile	Ala	Ser	Leu	Val	Val	Trp	Cys	Met	Ala	Val	Gly			
		115					120					125						
Ile	Ser	Tyr	Ile	Ser	Val	Tyr	Asp	His	Gln	Gly	Ile	Phe	Lys	Arg	Asn			
	130					135					140							
Asn	Ser	Arg	Leu	Met	Asp	Glu	Ile	Leu	Lys	Gln	Gln	Gln	Glu	Leu	Leu			
145					150					155					160			
Gly	Leu	Asp	Cys	Ser	Lys	Tyr	Ser	Pro	Glu	Phe	Ala	Asn	Ser	Asn	Asp			
				165					170					175				
Lys	Asp	Asp	Gln	Val	Leu	Asn	Cys	His	Leu	Ala	Val	Lys	Val	Leu	Ser			
			180					185					190					
Pro	Glu	Asp	Gly	Lys	Ala	Asp	Ile	Val	Arg	Ala	Ala	Gln	Asp	Phe	Cys			
		195					200					205						
Gln	Leu	Val	Ala	Gln	Lys	Gln	Lys	Arg	Pro	Thr	Asp	Leu	Asp	Val	Asp			
	210					215					220							
Thr	Leu	Ala	Ser	Leu	Leu	Ser	Ser	Asn	Gly	Cys	Pro	Asp	Pro	Asp	Leu			
225					230					235					240			
Val	Leu	Lys	Phe	Gly	Pro	Val	Asp	Ser	Thr	Leu	Gly	Phe	Leu	Pro	Trp			
				245					250					255				
His	Ile	Arg	Leu	Thr	Glu	Ile	Val	Ser	Leu	Pro	Ser	His	Leu	Asn	Ile			
			260					265					270					
Ser	Tyr	Glu	Asp	Phe	Phe	Ser	Ala	Leu	Arg	Gln	Tyr	Ala	Ala	Cys	Glu			
		275					280					285						
Gln	Arg	Leu	Gly	Lys														
	290																	

<210> 1166
<211> 173
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (146)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (160)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (168)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1166
Met Val Glu Glu Pro Gly Arg Phe Leu Pro Leu Trp Leu His Ile Leu
1 5 10 15
Leu Ile Thr Val Leu Leu Val Leu Ser Gly Ile Phe Ser Gly Leu Asn
20 25 30
Leu Gly Leu Met Ala Leu Asp Pro Met Glu Leu Arg Ile Val Gln Asn
35 40 45
Cys Gly Thr Glu Lys Glu Arg Arg Tyr Ala Arg Lys Ile Glu Pro Ile
50 55 60
Arg Arg Lys Gly Asn Tyr Leu Leu Cys Ser Leu Leu Leu Gly Asn Val
65 70 75 80
Leu Val Asn Thr Xaa Leu Thr Ile Leu Leu Asp Asn Leu Ile Gly Ser
85 90 95
Gly Leu Met Ala Val Ala Ser Ser Thr Ile Gly Ile Val Ile Phe Gly
100 105 110

Glu	Ile	Leu	Pro	Gln	Ala	Leu	Cys	Ser	Arg	His	Gly	Leu	Ala	Val	Xaa
		115					120					125			
Ala	Asn	Thr	Ile	Leu	Leu	Thr	Lys	Phe	Phe	Met	Leu	Leu	Thr	Phe	Pro
		130				135					140				
Leu	Xaa	Phe	Pro	Ile	Ser	Lys	Leu	Leu	Asp	Phe	Phe	Leu	Gly	Gln	Xaa
145					150					155					160
Ile	Arg	Thr	Val	Tyr	Asn	Arg	Xaa	Lys	Leu	Met	Xaa	Met			
				165					170						

<210> 1167
 <211> 173
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (146)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (160)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (168)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (172)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1167

Met	Val	Glu	Glu	Pro	Gly	Arg	Phe	Leu	Pro	Leu	Trp	Leu	His	Ile	Leu
1				5					10					15	
Leu	Ile	Thr	Val	Leu	Leu	Val	Leu	Ser	Gly	Ile	Phe	Ser	Gly	Leu	Asn
			20					25					30		
Leu	Gly	Leu	Met	Ala	Leu	Asp	Pro	Met	Glu	Leu	Arg	Ile	Val	Gln	Asn
		35					40					45			
Cys	Gly	Thr	Glu	Lys	Glu	Arg	Arg	Tyr	Ala	Arg	Lys	Ile	Glu	Pro	Ile
	50					55					60				
Arg	Arg	Lys	Gly	Asn	Tyr	Leu	Leu	Cys	Ser	Leu	Leu	Leu	Gly	Asn	Val
65				70						75				80	
Leu	Val	Asn	Thr	Ser	Leu	Thr	Ile	Leu	Leu	Asp	Asn	Leu	Ile	Gly	Ser
				85					90					95	

Gly	Leu	Met	Ala	Val	Ala	Ser	Ser	Thr	Ile	Gly	Ile	Val	Ile	Phe	Gly
			100					105					110		
Glu	Ile	Leu	Pro	Gln	Ala	Leu	Cys	Ser	Arg	His	Gly	Leu	Ala	Val	Gly
		115					120					125			
Ala	Asn	Thr	Ile	Leu	Leu	Thr	Lys	Phe	Phe	Met	Leu	Leu	Thr	Phe	Pro
	130					135					140				
Leu	Xaa	Phe	Pro	Ile	Ser	Lys	Leu	Leu	Asp	Phe	Phe	Leu	Gly	Gln	Xaa
145					150				155						160
Ile	Arg	Thr	Val	Tyr	Asn	Arg	Xaa	Lys	Leu	Met	Xaa	Met			
			165					170							

<210> 1168
 <211> 314
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (93)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1168

Glu	Lys	Ala	Ala	Gly	Ala	Gly	Lys	Ser	His	Leu	Ala	Ile	Val	Gln	Lys
1				5					10					15	
Val	Asn	Asn	Glu	Gly	Glu	Gly	Asp	Pro	Phe	Tyr	Glu	Val	Leu	Gly	Leu
			20					25					30		
Val	Thr	Leu	Glu	Asp	Val	Ile	Glu	Glu	Ile	Ile	Lys	Ser	Glu	Ile	Leu
		35					40					45			
Asp	Glu	Ser	Asp	Met	Tyr	Thr	Asp	Asn	Arg	Ser	Arg	Lys	Arg	Val	Ser
	50					55					60				
Glu	Lys	Asn	Lys	Arg	Asp	Phe	Ser	Ala	Phe	Lys	Asp	Ala	Asp	Asn	Glu
65					70					75					80
Leu	Lys	Val	Lys	Ile	Ser	Pro	Gln	Leu	Leu	Leu	Ala	Xaa	His	Arg	Phe
				85					90					95	
Leu	Ala	Thr	Glu	Val	Ser	Gln	Phe	Ser	Pro	Ser	Leu	Ile	Ser	Glu	Lys
			100					105					110		
Ile	Leu	Leu	Arg	Leu	Leu	Lys	Tyr	Pro	Asp	Val	Ile	Gln	Glu	Leu	Lys
		115					120					125			
Phe	Asp	Glu	His	Asn	Lys	Tyr	Tyr	Ala	Arg	His	Tyr	Leu	Tyr	Thr	Arg
	130					135					140				
Asn	Lys	Pro	Ala	Asp	Tyr	Phe	Ile	Leu	Ile	Leu	Gln	Gly	Lys	Val	Glu

145		150		155		160									
Val	Glu	Ala	Gly	Lys	Glu	Asn	Met	Lys	Phe	Glu	Thr	Gly	Ala	Phe	Ser
			165						170					175	
Tyr	Tyr	Gly	Thr	Met	Ala	Leu	Thr	Ser	Val	Pro	Ser	Asp	Arg	Ser	Pro
		180						185					190		
Ala	His	Pro	Thr	Pro	Leu	Ser	Arg	Ser	Ala	Ser	Leu	Ser	Tyr	Pro	Asp
		195					200					205			
Arg	Thr	Asp	Val	Ser	Thr	Ala	Ala	Thr	Leu	Ala	Gly	Ser	Ser	Asn	Gln
	210					215					220				
Phe	Gly	Ser	Ser	Val	Leu	Gly	Gln	Tyr	Ile	Ser	Asp	Phe	Ser	Val	Arg
225					230					235					240
Ala	Leu	Val	Asp	Leu	Gln	Tyr	Ile	Lys	Ile	Thr	Arg	Gln	Gln	Tyr	Gln
			245						250					255	
Asn	Gly	Leu	Leu	Ala	Ser	Arg	Met	Glu	Asn	Ser	Pro	Gln	Phe	Pro	Ile
		260						265					270		
Asp	Gly	Cys	Thr	Thr	His	Met	Glu	Asn	Leu	Ala	Glu	Lys	Ser	Glu	Leu
		275					280					285			
Pro	Val	Val	Asp	Glu	Thr	Thr	Thr	Leu	Leu	Asn	Glu	Arg	Asn	Ser	Leu
	290					295					300				
Leu	His	Lys	Ala	Ser	His	Glu	Asn	Ala	Ile						
305					310										

<210> 1169
 <211> 604
 <212> PRT
 <213> Homo sapiens

<400> 1169															
Met	Val	Glu	Glu	Pro	Gly	Arg	Phe	Leu	Pro	Leu	Trp	Leu	His	Ile	Leu
1				5					10					15	
Leu	Ile	Thr	Val	Leu	Leu	Val	Leu	Ser	Gly	Ile	Phe	Ser	Gly	Leu	Asn
			20					25					30		
Leu	Gly	Leu	Met	Ala	Leu	Asp	Pro	Met	Glu	Leu	Arg	Ile	Val	Gln	Asn
		35					40					45			
Cys	Gly	Thr	Glu	Lys	Glu	Arg	Arg	Tyr	Ala	Arg	Lys	Ile	Glu	Pro	Ile
	50					55					60				
Arg	Arg	Lys	Gly	Asn	Tyr	Leu	Leu	Cys	Ser	Leu	Leu	Leu	Gly	Asn	Val
65				70						75				80	
Leu	Val	Asn	Thr	Ser	Leu	Thr	Ile	Leu	Leu	Asp	Asn	Leu	Ile	Gly	Ser
				85					90					95	

Gly	Leu	Met	Ala	Val	Ala	Ser	Ser	Thr	Ile	Gly	Ile	Val	Ile	Phe	Gly			
			100					105					110					
Glu	Ile	Leu	Pro	Gln	Ala	Leu	Cys	Ser	Arg	His	Gly	Leu	Ala	Val	Gly			
		115					120					125						
Ala	Asn	Thr	Ile	Leu	Leu	Thr	Lys	Phe	Phe	Met	Leu	Leu	Thr	Phe	Pro			
		130					135				140							
Leu	Ser	Phe	Pro	Ile	Ser	Lys	Leu	Leu	Asp	Phe	Phe	Leu	Gly	Gln	Glu			
145					150				155						160			
Ile	Arg	Thr	Val	Tyr	Asn	Arg	Glu	Lys	Leu	Met	Glu	Met	Leu	Lys	Val			
				165					170					175				
Thr	Glu	Pro	Tyr	Asn	Asp	Leu	Val	Lys	Glu	Glu	Leu	Asn	Met	Ile	Gln			
			180					185					190					
Gly	Ala	Leu	Glu	Leu	Arg	Thr	Lys	Thr	Val	Glu	Asp	Ile	Met	Thr	Gln			
		195					200					205						
Leu	Gln	Asp	Cys	Phe	Met	Ile	Arg	Ser	Asp	Ala	Ile	Leu	Asp	Phe	Asn			
		210				215					220							
Thr	Met	Ser	Glu	Ile	Met	Glu	Ser	Gly	Tyr	Thr	Arg	Ile	Pro	Val	Phe			
225					230				235						240			
Glu	Asp	Glu	Gln	Ser	Asn	Ile	Val	Asp	Ile	Leu	Tyr	Val	Lys	Asp	Leu			
				245				250					255					
Ala	Phe	Val	Asp	Pro	Asp	Asp	Cys	Thr	Pro	Leu	Lys	Thr	Ile	Thr	Arg			
			260				265						270					
Phe	Tyr	Asn	His	Pro	Val	His	Phe	Val	Phe	His	Asp	Thr	Lys	Leu	Asp			
		275					280					285						
Ala	Met	Leu	Glu	Glu	Phe	Lys	Lys	Gly	Lys	Ser	His	Leu	Ala	Ile	Val			
		290				295					300							
Gln	Lys	Val	Asn	Asn	Glu	Gly	Glu	Gly	Asp	Pro	Phe	Tyr	Glu	Val	Leu			
305				310					315						320			
Gly	Leu	Val	Thr	Leu	Glu	Asp	Val	Ile	Glu	Glu	Ile	Ile	Lys	Ser	Glu			
				325					330				335					
Ile	Leu	Asp	Glu	Ser	Asp	Met	Tyr	Thr	Asp	Asn	Arg	Ser	Arg	Lys	Arg			
			340					345					350					
Val	Ser	Glu	Lys	Asn	Lys	Arg	Asp	Phe	Ser	Ala	Phe	Lys	Asp	Ala	Asp			
		355					360					365						
Asn	Glu	Leu	Lys	Val	Lys	Ile	Ser	Pro	Gln	Leu	Leu	Leu	Ala	Ala	His			
		370				375					380							
Arg	Phe	Leu	Ala	Thr	Glu	Val	Ser	Gln	Phe	Ser	Pro	Ser	Leu	Ile	Ser			
385					390				395						400			

Glu Lys Ile Leu Leu Arg Leu Leu Lys Tyr Pro Asp Val Ile Gln Glu
 405 410 415
 Leu Lys Phe Asp Glu His Asn Lys Tyr Tyr Ala Arg His Tyr Leu Tyr
 420 425 430
 Thr Arg Asn Lys Pro Ala Asp Tyr Phe Ile Leu Ile Leu Gln Gly Lys
 435 440 445
 Val Glu Val Glu Ala Gly Lys Glu Asn Met Lys Phe Glu Thr Gly Ala
 450 455 460
 Phe Ser Tyr Tyr Gly Thr Met Ala Leu Thr Ser Val Pro Ser Asp Arg
 465 470 475 480
 Ser Pro Ala His Pro Thr Pro Leu Ser Arg Ser Ala Ser Leu Ser Tyr
 485 490 495
 Pro Asp Arg Thr Asp Val Ser Thr Ala Ala Thr Leu Ala Gly Ser Ser
 500 505 510
 Asn Gln Phe Gly Ser Ser Val Leu Gly Gln Tyr Ile Ser Asp Phe Ser
 515 520 525
 Val Arg Ala Leu Val Asp Leu Gln Tyr Ile Lys Ile Thr Arg Gln Gln
 530 535 540
 Tyr Gln Asn Gly Leu Leu Ala Ser Arg Met Glu Asn Ser Pro Gln Phe
 545 550 555 560
 Pro Ile Asp Gly Cys Thr Thr His Met Glu Asn Leu Ala Glu Lys Ser
 565 570 575
 Glu Leu Pro Val Val Asp Glu Thr Thr Thr Leu Leu Asn Glu Arg Asn
 580 585 590
 Ser Leu Leu His Lys Ala Ser His Glu Asn Ala Ile
 595 600

<210> 1170
 <211> 189
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (169)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (172)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1170

Met Ala Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu Leu
1 5 10 15

Met Ala Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala
20 25 30

Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala
35 40 45

Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Asp Asp
50 55 60

Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu Trp Asn Gln Gln Asp
65 70 75 80

Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu Ser Glu Glu Glu Arg Gly
85 90 95

Arg Leu Arg Asp Val Ala Ala Leu Asn Gly Leu Tyr Arg Val Arg Ile
100 105 110

Pro Arg Arg Pro Gly Ala Leu Asp Gly Leu Glu Ala Gly Gly Tyr Val
115 120 125

Ser Ser Phe Val Pro Ala Cys Ser Leu Val Glu Ser His Leu Ser Asp
130 135 140

Gln Leu Thr Leu His Val Asp Val Ala Gly Asn Val Val Gly Val Ser
145 150 155 160

Val Val Thr His Pro Met Ala Pro Xaa Ser Pro Xaa Gly Phe Pro Leu
165 170 175

Pro Trp Ser Xaa Ala Glu Ile Leu Ala Thr Ile Gln Phe
180 185

<210> 1171

<211> 117

<212> PRT

<213> Homo sapiens

<400> 1171

Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu Met Ala
1 5 10 15

Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala Gly Thr
20 25 30

Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala Cys Gly

35	40	45
Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Leu Ala Thr Met		
50	55	60
Pro Val Leu Thr Ser His Pro Pro Thr Pro Ser Pro Cys Ser Leu Gly		
65	70	75 80
Thr Cys Arg Leu Leu Ser Ser Leu Cys Ala Phe Val Pro Gly Gly Leu		
	85	90 95
Thr Leu Leu Ser Leu Ala Gly Leu Gly Gly Pro Val Gln Ala Pro Ala		
	100	105 110
Ala Pro Pro Ser Leu		
115		

<210> 1172
 <211> 241
 <212> PRT
 <213> Homo sapiens

<400> 1172
Met Ala Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu Leu
1 5 10 15
Met Ala Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala
20 25 30
Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala
35 40 45
Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Asp Asp
50 55 60
Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu Trp Asn Gln Gln Asp
65 70 75 80
Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu Ser Glu Glu Glu Arg Gly
85 90 95
Arg Leu Arg Asp Val Ala Ala Leu Asn Gly Leu Tyr Arg Val Arg Ile
100 105 110
Pro Arg Arg Pro Gly Ala Leu Asp Gly Leu Glu Ala Gly Gly Tyr Val
115 120 125
Ser Ser Phe Val Pro Ala Cys Ser Leu Val Glu Ser His Leu Ser Asp
130 135 140
Gln Leu Thr Leu His Val Asp Val Ala Gly Asn Val Val Gly Val Ser
145 150 155 160
Val Val Thr His Pro Met Ala Pro Cys Ser Pro Arg Gly Phe Pro Pro
165 170 175

Ala His Gly Val Glu Pro Glu Ile Leu Ala Thr Met Pro Val Leu Thr
180 185 190

Ser His Pro Pro Thr Pro Ser Pro Cys Ser Leu Gly Thr Cys Arg Leu
195 200 205

Leu Ser Ser Leu Cys Ala Phe Val Pro Gly Gly Leu Thr Leu Leu Ser
210 215 220

Leu Ala Gly Leu Gly Gly Pro Val Gln Ala Pro Ala Ala Pro Pro Ser
225 230 235 240

Leu

<210> 1173
<211> 265
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (215)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1173
Met Phe Leu Leu Phe Leu Leu Thr Cys Glu Leu Ala Ala Glu Val Ala
1 5 10 15

Ala Glu Val Glu Lys Ser Ser Asp Gly Pro Gly Ala Ala Gln Glu Pro
20 25 30

Thr Trp Leu Thr Asp Val Pro Ala Ala Met Glu Phe Ile Ala Ala Thr
35 40 45

Glu Val Ala Val Ile Gly Phe Phe Gln Asp Leu Glu Ile Pro Ala Val
50 55 60

Pro Ile Leu His Ser Met Val Gln Lys Phe Pro Gly Val Ser Phe Gly
65 70 75 80

Ile Ser Thr Asp Ser Glu Val Leu Thr His Tyr Asn Ile Thr Gly Asn
85 90 95

Thr Ile Cys Leu Phe Arg Leu Val Asp Asn Glu Gln Leu Asn Leu Glu
100 105 110

Asp Glu Asp Ile Glu Ser Ile Asp Ala Thr Lys Leu Ser Arg Phe Ile
115 120 125

Glu Ile Asn Ser Leu His Met Val Thr Glu Tyr Asn Pro Val Thr Val
130 135 140

Ile Gly Leu Phe Asn Ser Val Ile Gln Ile His Leu Leu Leu Ile Met

145		150		155		160									
Asn	Lys	Ala	Ser	Pro	Glu	Tyr	Glu	Glu	Asn	Met	His	Arg	Tyr	Gln	Lys
				165					170					175	
Ala	Ala	Lys	Leu	Phe	Gln	Gly	Lys	Ile	Leu	Phe	Ile	Leu	Val	Asp	Ser
			180					185					190		
Gly	Met	Lys	Glu	Asn	Gly	Lys	Val	Ile	Ser	Phe	Phe	Lys	Leu	Lys	Glu
		195					200					205			
Ser	Gln	Leu	Pro	Ala	Leu	Xaa	Ile	Tyr	Gln	Thr	Leu	Asp	Asp	Glu	Trp
	210					215					220				
Asp	Thr	Leu	Pro	Thr	Ala	Glu	Val	Ser	Val	Glu	His	Val	Gln	Asn	Phe
225					230					235					240
Cys	Asp	Gly	Phe	Leu	Ser	Gly	Lys	Leu	Leu	Lys	Glu	Asn	Arg	Glu	Ser
				245					250					255	
Glu	Gly	Lys	Thr	Pro	Lys	Val	Glu	Leu							
			260					265							

<210> 1174
 <211> 265
 <212> PRT
 <213> Homo sapiens

<400> 1174

Met	Phe	Leu	Leu	Phe	Leu	Leu	Thr	Cys	Glu	Leu	Ala	Ala	Glu	Val	Ala
1				5					10					15	
Ala	Glu	Val	Glu	Lys	Ser	Ser	Asp	Gly	Pro	Gly	Ala	Ala	Gln	Glu	Pro
			20					25					30		
Thr	Trp	Leu	Thr	Asp	Val	Pro	Ala	Ala	Met	Glu	Phe	Ile	Ala	Ala	Thr
		35					40					45			
Glu	Val	Ala	Val	Ile	Gly	Phe	Phe	Gln	Asp	Leu	Glu	Ile	Pro	Ala	Val
	50					55					60				
Pro	Ile	Leu	His	Ser	Met	Val	Gln	Lys	Phe	Pro	Gly	Val	Ser	Phe	Gly
65					70					75					80
Ile	Ser	Thr	Asp	Ser	Glu	Val	Leu	Thr	His	Tyr	Asn	Ile	Thr	Gly	Asn
				85					90					95	
Thr	Ile	Cys	Leu	Phe	Arg	Leu	Val	Asp	Asn	Glu	Gln	Leu	Asn	Leu	Glu
			100					105					110		
Asp	Glu	Asp	Ile	Glu	Ser	Ile	Asp	Ala	Thr	Lys	Leu	Ser	Arg	Phe	Ile
		115					120					125			
Glu	Ile	Asn	Ser	Leu	His	Met	Val	Thr	Glu	Tyr	Asn	Pro	Val	Thr	Val
	130					135					140				

Ile	Gly	Leu	Phe	Asn	Ser	Val	Ile	Gln	Ile	His	Leu	Leu	Leu	Ile	Met
145					150					155					160
Asn	Lys	Ala	Ser	Pro	Glu	Tyr	Glu	Glu	Asn	Met	His	Arg	Tyr	Gln	Lys
				165					170					175	
Ala	Ala	Lys	Leu	Phe	Gln	Gly	Lys	Ile	Leu	Phe	Ile	Leu	Val	Asp	Ser
			180					185					190		
Gly	Met	Lys	Glu	Asn	Gly	Lys	Val	Ile	Ser	Phe	Phe	Lys	Leu	Lys	Glu
		195					200					205			
Ser	Gln	Leu	Pro	Ala	Leu	Ala	Ile	Tyr	Gln	Thr	Leu	Asp	Asp	Glu	Trp
	210					215					220				
Asp	Thr	Leu	Pro	Thr	Ala	Glu	Val	Ser	Val	Glu	His	Val	Gln	Asn	Phe
225					230					235					240
Cys	Asp	Gly	Phe	Leu	Ser	Gly	Lys	Leu	Leu	Lys	Glu	Asn	Arg	Glu	Ser
				245					250					255	
Glu	Gly	Lys	Thr	Pro	Lys	Val	Glu	Leu							
			260					265							

<210> 1175
 <211> 158
 <212> PRT
 <213> Homo sapiens

<400> 1175

Met	Arg	Arg	Thr	Thr	Leu	Ser	Leu	Leu	Trp	Thr	Gly	Ser	Leu	Pro	Ala
1				5					10					15	
Pro	Pro	Ala	Thr	Thr	Ser	Gly	Gly	Ala	Ala	Cys	Pro	Ser	Gly	Arg	Arg
			20					25					30		
Tyr	Pro	Gly	Ala	Gly	Asn	Ala	Gly	Ser	Ala	Thr	Ser	Gln	Cys	Gln	Leu
		35					40					45			
Thr	Arg	Cys	Gly	Ala	Trp	Leu	Ser	Ser	Thr	Ala	Arg	Ser	Val	Gly	Thr
	50					55					60				
Thr	Ser	Gly	Ala	Gly	His	Arg	Trp	Gly	Pro	Arg	Pro	Pro	Ala	Thr	Gly
65					70					75					80
Ala	Ala	Ser	Pro	Cys	Ile	Gln	His	Gly	Ser	Ser	Pro	Arg	Ala	Gly	Thr
				85					90					95	
Gly	Thr	Arg	Ile	Ala	Ala	Ala	Pro	Thr	Leu	Thr	Pro	Ala	Gln	Leu	Pro
			100					105					110		
Thr	Ala	Thr	Thr	Gly	Glu	Ser	Pro	Thr	Cys	Leu	Gly	His	Pro	Val	Leu
			115				120					125			

Thr Pro Arg Ala Gly Ser Arg Thr Thr Cys Pro Lys Cys Ser Thr Pro
130 135 140

Ala Thr Leu Thr Leu Ala Val Ala Pro Leu Trp Pro Pro Ala
145 150 155

<210> 1176
<211> 291
<212> PRT
<213> Homo sapiens

<400> 1176
Met Ser Gln Glu Gly Val Glu Leu Glu Lys Ser Val Arg Arg Leu Arg
1 5 10 15
Glu Lys Phe His Gly Lys Val Ser Ser Lys Lys Ala Gly Ala Leu Met
20 25 30
Arg Lys Phe Gly Ser Asp His Thr Gly Val Gly Arg Ser Ile Val Tyr
35 40 45
Gly Val Lys Gln Lys Asp Gly Gln Glu Leu Ser Asn Asp Leu Asp Ala
50 55 60
Gln Asp Pro Pro Glu Asp Met Lys Gln Asp Arg Asp Ile Gln Ala Val
65 70 75 80
Ala Thr Ser Leu Leu Pro Leu Thr Glu Ala Asn Leu Arg Met Phe Gln
85 90 95
Arg Ala Gln Asp Asp Leu Ile Pro Ala Val Asp Arg Gln Phe Ala Cys
100 105 110
Ser Ser Cys Asp His Val Trp Trp Arg Arg Val Pro Gln Arg Lys Glu
115 120 125
Val Ser Arg Cys Arg Lys Cys Arg Lys Arg Tyr Glu Pro Val Pro Ala
130 135 140
Asp Lys Met Trp Gly Leu Ala Glu Phe His Cys Pro Lys Cys Arg His
145 150 155 160
Asn Phe Arg Gly Trp Ala Gln Met Gly Ser Pro Ser Pro Cys Tyr Gly
165 170 175
Cys Gly Phe Pro Val Tyr Pro Thr Arg Ile Leu Pro Pro Arg Trp Asp
180 185 190
Arg Asp Pro Asp Arg Arg Ser Thr His Thr His Ser Cys Ser Ala Ala
195 200 205
Asp Cys Tyr Asn Arg Arg Glu Pro His Val Pro Gly Thr Ser Cys Ala
210 215 220
His Pro Lys Ser Arg Lys Gln Asn His Leu Pro Lys Val Leu His Pro

225		230		235		240									
Ser	Asn	Pro	His	Ile	Ser	Ser	Gly	Ser	Thr	Val	Ala	Thr	Cys	Leu	Ser
				245					250					255	
Gln	Gly	Gly	Leu	Leu	Glu	Asp	Leu	Asp	Asn	Leu	Ile	Leu	Glu	Asp	Leu
			260					265					270		
Lys	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Val	Glu	Asp	Glu	Glu	Gly	Gly
		275						280					285		
Pro	Arg	Glu													
		290													

<210> 1177
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 1177
Met Arg Gly Thr Gln Leu Val Leu Leu Ala Leu Val Leu Ala Ala Cys
1 5 10 15
Gly Glu Leu Ala Pro Ala Leu Arg Cys Tyr Val Cys Pro Glu Pro Thr
20 25 30
Gly Val Ser Asp Cys Val Thr Ile Ala Thr Cys Thr Thr Asn Glu Thr
35 40 45
Met Cys Lys Thr Thr Leu Tyr Ser Arg Glu Ile Val Tyr Pro Phe Gln
50 55 60
Gly Asp Ser Thr Val Thr Lys Ser Cys Ala Ser Lys Cys Lys Pro Ser
65 70 75 80
Asp Val Asp Gly Ile Gly Gln Thr Leu Pro Val Ser Cys Cys Asn Thr
85 90 95
Glu Leu Cys Asn Val Asp Gly Ala Pro Ala Leu Asn Ser Leu His Cys
100 105 110
Gly Ala Leu Thr Leu Leu Pro Leu Leu Ser Leu Arg Leu
115 120 125

<210> 1178
 <211> 6
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1178
Gly Thr Gln Xaa Ala Leu
1 5

<210> 1179
<211> 125
<212> PRT
<213> Homo sapiens

<400> 1179
Met Arg Gly Thr Gln Leu Val Leu Leu Ala Leu Val Leu Ala Ala Cys
1 5 10 15
Gly Glu Leu Ala Pro Ala Leu Arg Cys Tyr Val Cys Pro Glu Pro Thr
20 25 30
Gly Val Ser Asp Cys Val Thr Ile Ala Thr Cys Thr Thr Asn Glu Thr
35 40 45
Met Cys Lys Thr Thr Leu Tyr Ser Arg Glu Ile Val Tyr Pro Phe Gln
50 55 60
Gly Asp Ser Thr Val Thr Lys Ser Cys Ala Ser Lys Cys Lys Pro Ser
65 70 75 80
Asp Val Asp Gly Ile Gly Gln Thr Leu Pro Val Ser Cys Cys Asn Thr
85 90 95
Glu Leu Cys Asn Val Asp Gly Ala Pro Ala Leu Asn Ser Leu His Cys
100 105 110
Gly Ala Leu Thr Leu Leu Pro Leu Leu Ser Leu Arg Leu
115 120 125

<210> 1180
<211> 132
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1180
Met Pro Asp Val Gln Gly Pro Trp His Pro Ala His Pro Pro Ile Pro
1 5 10 15

Ser Ala Ala Leu Cys Leu Leu Trp Pro His Cys Leu Ala Ala Pro Lys
 20 25 30
 Tyr Ala Arg Pro Arg Cys Leu Leu Val Phe Val Leu Cys Asp Arg Ser
 35 40 45
 Ala Trp Asn Ile Leu Leu Tyr Ser Val Gly Ser Lys Val Ser Gly Leu
 50 55 60
 Cys Ser Asn Cys Ser Leu Val Pro Gly Val Val Ala His Thr Cys Asn
 65 70 75 80
 Pro Lys Val Pro Leu Gly Leu Gln Gly Cys Glu Leu Pro Cys Pro Ala
 85 90 95
 Glu His Leu Ile Phe Ser Lys Xaa Leu Ser Ser Cys Ala Thr Trp Ala
 100 105 110
 His Cys Phe Leu Gly Leu Ser Xaa Cys Trp Cys Leu His Pro His Pro
 115 120 125
 His Pro Ser Trp
 130

<210> 1181
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 1181
 Ser Gly Leu Ala Trp Ala Leu Leu Leu Ser Leu Pro Gly Gly Leu Arg
 1 5 10 15
 Ser Ser Ser Ala Arg Leu Pro Pro Glu Pro Phe His Gly Gln Gly Leu
 20 25 30
 Ser Ser Val Gly Ala Ile Arg Arg Arg Val Cys Arg Ser Val Arg Leu
 35 40 45
 Gly Asp Pro Trp Gly Met Glu Gly Thr Thr Arg Pro Phe Pro Ser Val
 50 55 60
 Pro Cys Gln Ala Val Leu Thr Ala Ala Ser Ser Gln Gly Arg Lys Pro
 65 70 75 80
 Gly Gln Arg Gln Arg Leu Leu Val Pro Ser Ile Pro
 85 90

<210> 1182
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 1182

Thr	Phe	Arg	Leu	Val	Ser	Ala	His	Leu	Lys	Thr	Arg	Lys	Leu	Ile	Asn
1				5					10					15	
Pro	Glu	Ala	Ala	Glu	Arg	Arg	Trp	Arg	Asp	Trp	Asp	Ser	Arg	Gln	Gly
			20					25					30		
Trp	Leu	Ser	Val	Lys	Met	Gln	Arg	Val	Ser	Gly	Leu	Leu	Ser	Trp	Thr
		35					40					45			
Leu	Ser	Arg	Val	Leu	Trp	Leu	Ser	Gly	Leu	Ser	Glu	Pro	Gly	Ala	Ala
	50					55					60				
Arg	Gln	Pro	Arg	Ile	Met	Glu	Glu	Lys	Ala	Leu	Glu	Val	Tyr	Asp	Leu
65					70					75					80
Ile	Arg	Thr	Ile	Arg	Asp	Pro	Glu	Lys	Pro	Asn	Thr	Leu	Glu	Glu	Leu
				85					90					95	
Glu	Val	Val	Ser	Glu	Ser	Cys	Val	Glu	Val	Gln	Glu	Ile	Asn	Glu	Glu
			100					105					110		
Glu	Tyr	Leu	Val	Ile	Ile	Arg	Phe	Thr	Pro	Thr	Val	Pro	His	Cys	Ser
		115					120					125			
Leu	Ala	Thr	Leu	Ile	Val	Gly	Asn	Leu	His	Phe					
	130					135									

<210> 1183

<211> 143

<212> PRT

<213> Homo sapiens

<400> 1183

Met	Pro	Asp	Val	Gln	Gly	Pro	Trp	His	Pro	Ala	His	Pro	Pro	Ile	Pro
1				5					10					15	
Ser	Ala	Ala	Leu	Cys	Leu	Leu	Trp	Pro	His	Cys	Leu	Ala	Ala	Pro	Lys
			20					25					30		
Tyr	Ala	Arg	Pro	Arg	Cys	Leu	Leu	Val	Phe	Val	Leu	Cys	Asp	Arg	Ser
		35					40					45			
Ala	Trp	Asn	Ile	Leu	Leu	Tyr	Ser	Val	Gly	Ser	Lys	Val	Ser	Gly	Leu
	50					55					60				
Cys	Ser	Asn	Cys	Ser	Leu	Val	Pro	Gly	Val	Val	Ala	His	Thr	Cys	Asn
65					70					75					80
Pro	Lys	Val	Pro	Leu	Gly	Leu	Gln	Gly	Cys	Glu	Leu	Pro	Cys	Pro	Ala
				85					90					95	
Glu	His	Leu	Ile	Phe	Ser	Lys	Cys	Leu	Ser	Ser	Cys	Ala	Thr	Trp	Ala
			100					105						110	

His Cys Phe Leu Gly Leu Ser Cys Cys Trp Cys Leu His Pro His Pro
115 120 125

His Pro Ser Trp Pro Ala Pro Phe Leu Ser Arg Trp Ala His Val
130 135 140

<210> 1184
<211> 13
<212> PRT
<213> Homo sapiens

<400> 1184
Met Gly Gln Gly Ala Cys Lys Asn Met Ser Val Gly Ser
1 5 10

<210> 1185
<211> 102
<212> PRT
<213> Homo sapiens

<400> 1185
Asn Ser Glu Lys Gly Gln Lys Lys Gln Arg Gly Pro Arg Trp Ile Cys
1 5 10 15

Gln Leu Phe Cys Arg Cys Phe Leu Pro Leu Leu Trp Val Val Cys Ser
20 25 30

Pro Leu Gln Thr Ser Ala Arg Arg Glu Gly Leu Asn Leu Pro Ala Pro
35 40 45

Gln Asp Leu Leu Pro Ser Gly Pro Ser Pro Ala Leu Arg Ser Leu Pro
50 55 60

Asp Arg Arg Val Asp Arg Ala Thr Trp Ala Ala Arg Glu Thr His Gly
65 70 75 80

Gly Pro Pro Cys Gly Gln Pro Cys Gln Leu Pro Pro Ser Pro Glu Leu
85 90 95

His Leu His Leu Glu Glu
100

<210> 1186
<211> 259
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1186

Ala	Gly	Ala	Trp	Val	Ser	Leu	Gly	Pro	Cys	Leu	Phe	Pro	Ala	Pro	Ala		
1				5					10					15			
Asp	Ser	Glu	Gln	Arg	Pro	Trp	Val	Arg	Arg	Val	Gly	Val	Gly	Pro	Leu		
			20					25					30				
Pro	Ala	Glu	Pro	Gly	Gln	Gly	Glu	Leu	Gln	Glu	Ser	Pro	Leu	Cys	Pro		
		35					40					45					
Cys	Ser	Trp	Asn	Val	Pro	Gln	Arg	Pro	His	Leu	Lys	Gly	Xaa	Cys	Ala		
	50					55					60						
Gly	Gly	Val	Ala	Gln	Ser	His	Thr	Ala	Ser	Thr	Leu	Ser	Ser	Gly	Thr		
65					70					75					80		
Gly	Asp	Ser	Gly	Cys	Ser	Gly	Lys	Gly	Leu	Leu	Asp	Val	Thr	Tyr	Asn		
				85					90					95			
Ser	Val	Arg	Leu	Glu	Thr	Asp	Ala	Gly	Gly	Gly	Arg	Ala	Gly	Pro	Pro		
			100					105					110				
Gly	Ile	Thr	Asp	His	Arg	Lys	Met	Gly	Gly	Gly	Ser	Arg	Gly	Pro	Ala		
	115						120					125					
Pro	Thr	Pro	Ser	Cys	Leu	Thr	Leu	Leu	Ser	Cys	Pro	His	Pro	Cys	Ala		
	130					135					140						
Phe	Val	Pro	Glu	Thr	Arg	Val	Ala	Thr	Gln	Ala	Gly	Pro	Gly	Ser	Ser		
145					150					155					160		
Leu	Ile	Leu	Pro	Leu	Pro	Ser	Glu	Pro	Cys	Ser	Ser	Leu	Pro	Ser	Pro		
				165					170					175			
Leu	Pro	Pro	Leu	Pro	Arg	Arg	Val	Thr	Ser	Asp	Arg	Ala	Pro	Leu	Ala		
			180					185					190				
Ile	Gln	Gly	Gly	Ser	Arg	Gly	Leu	Asp	Arg	Arg	Ala	Arg	Arg	Leu	Pro		
	195						200					205					
Ala	Val	Ala	Gly	Ala	Ser	Cys	Pro	Cys	Arg	Val	Gly	Glu	Leu	Ser	Gly		
	210					215					220						
Arg	Glu	Pro	Tyr	Leu	Pro	Ser	Ala	Lys	Thr	Val	Lys	Val	Tyr	Arg	Leu		
225					230					235					240		
Phe	Thr	Asp	Phe	Tyr	Leu	Asn	Cys	Lys	Ser	Ala	Asp	Phe	Val	Asn	Val		
				245					250					255			
Leu	Gly	Val															

<210> 1187

<211> 119
<212> PRT
<213> Homo sapiens

<400> 1187

Met	Gly	Gln	Gly	Ala	Cys	Gln	Lys	Tyr	Val	Cys	Trp	Phe	Leu	Asn	Val
1				5					10					15	
Val	Cys	Pro	Cys	Pro	Pro	Gly	Ser	Gly	Arg	Val	His	Val	Ser	Pro	His
			20					25					30		
Thr	Cys	Ala	Arg	Glu	Gly	Ala	Ser	Trp	Arg	Gly	Asp	Ser	Arg	Ala	Arg
		35					40					45			
Gly	Leu	His	Leu	Trp	Leu	Pro	Leu	Ala	Ser	Leu	Gly	Gly	Pro	Gly	Leu
	50					55					60				
Pro	Gly	Ser	Gln	Ala	Leu	Ser	Cys	Gly	Thr	Trp	His	Leu	Ala	Asp	Gln
65					70					75					80
Leu	Ala	Gly	Arg	Lys	Ile	Gly	Gly	His	Arg	Ala	Gly	Gly	Gln	Cys	Pro
				85					90					95	
Leu	Pro	Val	Ser	Ile	Arg	Ser	Thr	Cys	His	Cys	Met	Gln	Pro	Val	Gly
			100					105					110		
Thr	Phe	Leu	Ala	Val	Arg	Asn									
			115												

<210> 1188
<211> 177
<212> PRT
<213> Homo sapiens

<400> 1188

Met	Arg	Gly	Ser	Val	Glu	Cys	Thr	Trp	Gly	Trp	Gly	His	Cys	Ala	Pro
1				5					10					15	
Ser	Pro	Leu	Leu	Leu	Trp	Thr	Leu	Leu	Leu	Phe	Ala	Ala	Pro	Phe	Gly
			20					25					30		
Leu	Leu	Gly	Glu	Lys	Thr	Arg	Gln	Val	Ser	Leu	Glu	Val	Ile	Pro	Asn
		35					40					45			
Trp	Leu	Gly	Pro	Leu	Gln	Asn	Leu	Leu	His	Ile	Arg	Ala	Val	Gly	Thr
	50					55					60				
Asn	Ser	Thr	Leu	His	Tyr	Val	Trp	Ser	Ser	Leu	Gly	Pro	Leu	Ala	Val
65					70					75					80
Val	Met	Val	Ala	Thr	Asn	Thr	Pro	His	Ser	Thr	Leu	Ser	Val	Asn	Trp
				85					90					95	
Ser	Leu	Leu	Leu	Ser	Pro	Glu	Pro	Asp	Gly	Gly	Leu	Met	Val	Leu	Pro
			100					105					110		

Lys	Asp	Ser	Ile	Gln	Phe	Ser	Ser	Ala	Leu	Val	Phe	Thr	Arg	Leu	Leu
		115						120					125		
Glu	Phe	Asp	Ser	Thr	Asn	Val	Ser	Asp	Thr	Ala	Ala	Lys	Pro	Leu	Gly
	130					135					140				
Arg	Pro	Tyr	Pro	Pro	Tyr	Ser	Leu	Ala	Asp	Phe	Ser	Trp	Asn	Asn	Ile
145					150					155					160
Thr	Asp	Ser	Leu	Asp	Pro	Ala	Thr	Leu	Ser	Ala	Thr	Phe	Gln	Gly	Thr
				165					170					175	

Pro

<210> 1189
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 1189															
Arg	Pro	Thr	Arg	Pro	Leu	Asn	Cys	Gly	Arg	Met	Arg	Gly	Ser	Val	Glu
1				5					10					15	
Cys	Thr	Trp	Gly	Trp	Gly	His	Cys	Ala	Pro	Ser	Pro	Leu	Leu	Leu	Trp
			20					25					30		
Thr	Leu	Leu	Leu	Phe	Ala	Ala	Pro	Phe	Gly	Leu	Leu	Gly	Glu	Lys	Thr
			35				40					45			
Arg	Gln	Leu	Leu	Glu	Phe	Asp	Ser	Thr	Asn	Val	Ser	Asp	Thr	Ala	Ala
	50					55					60				
Lys	Pro	Leu	Gly	Arg	Pro	Tyr	Pro	Pro	Tyr	Ser	Leu	Ala	Asp	Phe	Ser
65					70					75					80
Trp	Asn	Asn	Ile	Thr	Asp	Ser	Leu	Asp	Pro	Ala	Thr	Leu	Ser	Ala	Thr
				85					90					95	
Phe	Gln	Gly	His	Pro	Met	Asn	Asp	Pro	Thr	Arg	Thr	Phe	Ala	Asn	Gly
			100					105					110		
Ser	Leu	Ala	Phe	Arg	Val	Gln	Ala	Phe	Ser	Arg	Ser	Ser	Arg	Pro	Ala
		115					120					125			
Gln	Pro	Pro	Arg	Leu	Leu	His	Thr	Ala	Asp	Thr	Cys	Gln	Leu	Glu	Val
	130					135					140				
Ala	Leu	Ile	Gly	Ala	Ser	Pro	Arg	Gly	Asn	Arg	Ser	Leu	Phe	Gly	Leu
145					150				155						160
Glu	Val	Ala	Thr	Leu	Gly	Gln	Gly	Pro	Asp	Cys	Pro	Ser	Met	Gln	Glu
				165					170					175	

Gln	His	Ser	Ile	Asp	Asp	Glu	Tyr	Ala	Pro	Ala	Val	Phe	Gln	Leu	Asp
			180					185					190		
Gln	Leu	Leu	Trp	Gly	Ser	Leu	Pro	Ser	Gly	Phe	Ala	Gln	Trp	Arg	Pro
		195					200					205			
Val	Ala	Tyr	Ser	Gln	Lys	Pro	Gly	Gly	Arg	Glu	Ser	Ala	Leu	Pro	Cys
		210				215					220				
Gln	Ala	Ser	Pro	Leu	His	Pro	Ala	Leu	Ala	Tyr	Ser	Leu	Pro	Gln	Ser
225					230					235					240
Pro	Ile	Val	Arg	Ala	Phe	Phe	Gly	Ser	Gln	Asn	Asn	Phe	Cys	Ala	Phe
				245					250					255	
Asn	Leu	Thr	Phe	Gly	Ala	Ser	Thr	Gly	Pro	Gly	Tyr	Trp	Asp	Gln	His
			260					265					270		
Tyr	Leu	Ser	Trp	Ser	Met	Leu	Leu	Gly	Val	Gly	Phe	Pro	Pro	Val	Asp
		275					280					285			
Gly	Leu	Ser	Pro	Leu	Val	Leu	Gly	Ile	Met	Ala	Val	Ala	Leu	Gly	Ala
		290				295					300				
Pro	Gly	Leu	Met	Leu	Leu	Gly	Gly	Gly	Leu	Val	Leu	Leu	Leu	His	His
305					310					315					320
Lys	Lys	Tyr	Ser	Glu	Tyr	Gln	Ser	Ile	Asn						
				325					330						

<210> 1190
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 1190															
Met	Ala	Ala	Ser	Arg	Trp	Ala	Arg	Lys	Ala	Val	Val	Leu	Leu	Cys	Ala
1				5					10					15	
Ser	Asp	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Pro	Pro	Pro	Gly	Ser	Cys
			20					25					30		
Ala	Ala	Glu	Ala	Arg	Pro	Gly	Arg	Pro	Thr	Ser	Leu	Pro	His	Leu	Pro
		35					40					45			
Gly	Arg	Arg	Arg	Arg	Ile	Phe	Ala	Ile	Thr	Met	Met	Gln	Thr	Trp	Arg
		50				55					60				
Val	Phe	Trp	Ser	Asn	Gly	Arg	Lys	Met	Met	Thr	Leu	Lys	Lys	Glu	Ile
65					70					75					80
Phe	Gln	Ser	Thr	Arg	Asp	Leu	Gln	His	Leu	Ser	Thr	Ser	Gln	Arg	
				85					90					95	

<210> 1191
<211> 234
<212> PRT
<213> Homo sapiens

<400> 1191
Met Ala Ala Ser Arg Trp Ala Arg Lys Ala Val Val Leu Leu Cys Ala
1 5 10 15
Ser Asp Leu Leu Leu Leu Leu Leu Leu Leu Pro Pro Pro Gly Ser Cys
20 25 30
Ala Ala Glu Gly Ser Pro Gly Thr Pro Asp Glu Ser Thr Pro Pro Pro
35 40 45
Arg Lys Lys Lys Lys Asp Ile Arg Asp Tyr Asn Asp Ala Asp Met Ala
50 55 60
Arg Leu Leu Glu Gln Trp Glu Lys Asp Asp Asp Ile Glu Glu Gly Asp
65 70 75 80
Leu Pro Glu His Lys Arg Pro Ser Ala Pro Val Asp Phe Ser Lys Ile
85 90 95
Asp Pro Ser Lys Pro Glu Ser Ile Leu Lys Met Thr Lys Lys Gly Lys
100 105 110
Thr Leu Met Met Phe Val Thr Val Ser Gly Ser Pro Thr Glu Lys Glu
115 120 125
Thr Glu Glu Ile Thr Ser Leu Trp Gln Gly Ser Leu Phe Asn Ala Asn
130 135 140
Tyr Asp Val Gln Arg Phe Ile Val Gly Ser Asp Arg Ala Ile Phe Met
145 150 155 160
Leu Arg Asp Gly Ser Tyr Ala Trp Glu Ile Lys Asp Phe Leu Val Gly
165 170 175
Gln Asp Arg Cys Ala Asp Val Thr Leu Glu Gly Gln Val Tyr Pro Gly
180 185 190
Lys Gly Gly Gly Ser Lys Glu Lys Asn Lys Thr Lys Gln Asp Lys Gly
195 200 205
Lys Lys Lys Lys Glu Gly Asp Leu Lys Ser Arg Ser Ser Lys Glu Glu
210 215 220
Asn Arg Ala Gly Asn Lys Arg Glu Asp Leu
225 230

<210> 1192
<211> 108
<212> PRT

<213> Homo sapiens

<400> 1192

Met	Arg	Ala	Leu	Ser	Gly	Gly	Glu	Arg	Ser	Phe	Ser	Thr	Val	Cys	Phe	
1				5					10					15		
Ile	Leu	Ser	Leu	Trp	Ser	Ile	Ala	Glu	Ser	Pro	Phe	Arg	Cys	Leu	Asp	
			20					25					30			
Glu	Phe	Asp	Val	Tyr	Met	Asp	Met	Val	Asn	Arg	Arg	Ile	Ala	Met	Asp	
		35					40					45				
Leu	Ile	Leu	Lys	Met	Ala	Asp	Ser	Gln	Arg	Phe	Arg	Gln	Phe	Ile	Leu	
	50					55					60					
Leu	Thr	Pro	Gln	Ser	Met	Ser	Ser	Leu	Pro	Ser	Ser	Lys	Leu	Ile	Arg	
65					70					75					80	
Ile	Leu	Arg	Met	Ser	Asp	Pro	Glu	Arg	Gly	Gln	Thr	Thr	Leu	Pro	Phe	
			85						90						95	
Arg	Pro	Val	Thr	Gln	Glu	Glu	Asp	Asp	Asp	Gln	Arg					
		100						105								

<210> 1193

<211> 108

<212> PRT

<213> Homo sapiens

<400> 1193

Met	Arg	Ala	Leu	Ser	Gly	Gly	Glu	Arg	Ser	Phe	Ser	Thr	Val	Cys	Phe	
1				5					10					15		
Ile	Leu	Ser	Leu	Trp	Ser	Ile	Ala	Glu	Ser	Pro	Phe	Arg	Cys	Leu	Asp	
			20					25					30			
Glu	Phe	Asp	Val	Tyr	Met	Asp	Met	Val	Asn	Arg	Arg	Ile	Ala	Met	Asp	
		35					40					45				
Leu	Ile	Leu	Lys	Met	Ala	Asp	Ser	Gln	Arg	Phe	Arg	Gln	Phe	Ile	Leu	
	50					55					60					
Leu	Thr	Pro	Gln	Ser	Met	Ser	Ser	Leu	Pro	Ser	Ser	Lys	Leu	Ile	Arg	
65					70					75					80	
Ile	Leu	Arg	Met	Ser	Asp	Pro	Glu	Arg	Gly	Gln	Thr	Thr	Leu	Pro	Phe	
			85						90						95	
Arg	Pro	Val	Thr	Gln	Glu	Glu	Asp	Asp	Asp	Gln	Arg					
		100						105								

<210> 1194

<211> 147

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1194
Arg Leu Leu His Phe Asn Cys His Ser Gly Phe Leu Thr Gln Ser Pro
1 5 10 15
Tyr Cys Arg Gln Ala Arg His Arg Xaa Leu His Gln Gly Xaa Xaa Pro
20 25 30
Ala Ala Ala Arg Leu Trp Cys Asp Cys Gln Arg Pro Ala Pro Arg Val
35 40 45
Ala Arg Thr Glu Leu Gly Arg His Thr Gly Ile His Gly Ser Thr Phe
50 55 60
Ser Ser Thr Thr Leu Gly Pro Ile Phe Trp Leu Leu Val Lys Ser Pro
65 70 75 80
Glu Leu Ala Ala Gln Pro Ser Thr Tyr Leu Ala Val Ala Glu Glu Leu
85 90 95
Ala Asp Val Ser Gly Lys Tyr Phe Asp Gly Leu Lys Gln Lys Ala Pro
100 105 110
Ala Pro Glu Ala Glu Asp Glu Glu Val Ala Arg Arg Leu Trp Ala Glu
115 120 125
Ser Ala Arg Leu Val Gly Leu Glu Ala Pro Ser Val Arg Glu Gln Pro
130 135 140
Leu Pro Arg
145

<210> 1195
<211> 240
<212> PRT
<213> Homo sapiens

<400> 1195

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (160)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1196

Met	Ala	Val	Ala	Arg	Leu	Ala	Ala	Val	Ala	Ala	Trp	Val	Pro	Cys	Arg
1				5					10					15	

Ser	Trp	Gly	Trp	Ala	Ala	Val	Pro	Phe	Gly	Pro	His	Arg	Gly	Leu	Ser
		20						25					30		

Val	Leu	Leu	Ala	Arg	Ile	Pro	Gln	Arg	Ala	Pro	Arg	Trp	Leu	Pro	Ala
	35						40					45			

Cys	Arg	Gln	Lys	Thr	Ser	Leu	Ser	Phe	Leu	Asn	Arg	Pro	Asp	Leu	Pro
	50					55					60				

Asn	Leu	Ala	Tyr	Lys	Lys	Leu	Lys	Gly	Lys	Ser	Pro	Gly	Ile	Ile	Phe
65					70					75					80

Ile	Pro	Gly	Tyr	Leu	Ser	Tyr	Met	Asn	Gly	Thr	Lys	Ala	Leu	Ala	Ile
				85					90					95	

Glu	Glu	Phe	Cys	Lys	Ser	Leu	Gly	His	Ala	Cys	Ile	Arg	Phe	Asp	Tyr
		100						105					110		

Ser	Gly	Val	Gly	Ser	Ser	Asp	Gly	Asn	Ser	Glu	Glu	Ser	Thr	Leu	Gly
	115						120					125			

Lys	Trp	Arg	Lys	Asp	Val	Leu	Ser	Ile	Ile	Asp	Asp	Leu	Xaa	Asp	Gly
	130					135					140				

Pro	Gln	Ile	Leu	Val	Gly	Ser	Ser	Leu	Gly	Gly	Trp	Leu	Met	Leu	Xaa
145					150					155					160

Ala	Xaa	Asn	Cys	Thr	Thr	Arg	Glu	Gly	Leu	Ala	Leu	Ile	Gly
				165					170				

<210> 1197

<211> 160

<212> PRT

<213> Homo sapiens

<400> 1197

Ile	Leu	Val	Gly	Ser	Ser	Leu	Gly	Gly	Trp	Leu	Met	Leu	His	Ala	Ala
1				5					10					15	

Ile	Ala	Arg	Pro	Glu	Lys	Val	Val	Ala	Leu	Ile	Gly	Val	Ala	Thr	Ala		
			20					25					30				
Ala	Asp	Thr	Leu	Val	Thr	Lys	Phe	Asn	Gln	Leu	Pro	Val	Glu	Leu	Lys		
		35					40					45					
Lys	Glu	Val	Glu	Met	Lys	Gly	Val	Trp	Ser	Met	Pro	Ser	Lys	Tyr	Ser		
	50					55					60						
Glu	Glu	Gly	Val	Tyr	Asn	Val	Gln	Tyr	Ser	Phe	Ile	Lys	Glu	Ala	Glu		
65					70					75					80		
His	His	Cys	Leu	Leu	His	Ser	Pro	Ile	Pro	Val	Asn	Cys	Pro	Ile	Arg		
			85					90						95			
Leu	Leu	His	Gly	Met	Lys	Asp	Asp	Ile	Val	Pro	Trp	His	Thr	Ser	Met		
			100					105					110				
Gln	Val	Ala	Asp	Arg	Val	Leu	Ser	Thr	Asp	Val	Asp	Val	Ile	Leu	Arg		
		115					120					125					
Lys	His	Ser	Asp	His	Arg	Met	Arg	Glu	Lys	Ala	Asp	Ile	Gln	Leu	Leu		
	130					135					140						
Val	Tyr	Thr	Ile	Asp	Asp	Leu	Ile	Asp	Lys	Leu	Ser	Thr	Ile	Val	Asn		
145					150					155					160		

<210> 1198
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 1198																	
Met	Ala	Val	Ala	Arg	Leu	Ala	Ala	Val	Ala	Ala	Trp	Val	Pro	Cys	Arg		
1				5					10					15			
Ser	Trp	Gly	Trp	Ala	Ala	Val	Pro	Phe	Gly	Pro	His	Arg	Gly	Leu	Ser		
		20						25					30				
Val	Leu	Leu	Ala	Arg	Ile	Pro	Gln	Arg	Ala	Pro	Arg	Trp	Leu	Pro	Ala		
	35						40					45					
Cys	Arg	Gln	Lys	Thr	Ser	Leu	Ser	Phe	Leu	Asn	Arg	Pro	Asp	Leu	Pro		
	50					55					60						
Asn	Leu	Ala	Tyr	Lys	Lys	Leu	Lys	Gly	Lys	Ser	Pro	Gly	Ile	Ile	Phe		
65					70					75					80		
Ile	Pro	Gly	Tyr	Leu	Ser	Tyr	Met	Asn	Gly	Thr	Lys	Ala	Leu	Ala	Ile		
			85						90					95			

Glu	Glu	Phe	Cys	Lys	Ser	Leu	Gly	His	Ala	Cys	Ile	Arg	Phe	Asp	Tyr			
			100					105					110					
Ser	Gly	Val	Gly	Ser	Ser	Asp	Gly	Asn	Ser	Glu	Glu	Ser	Thr	Leu	Gly			
		115					120					125						
Lys	Trp	Arg	Lys	Asp	Val	Leu	Ser	Ile	Ile	Asp	Asp	Leu	Ala	Asp	Gly			
	130					135				140								
Pro	Gln	Ile	Leu	Val	Gly	Ser	Ser	Leu	Gly	Gly	Trp	Leu	Met	Leu	His			
145					150					155					160			
Ala	Ala	Ile	Ala	Arg	Pro	Glu	Lys	Val	Val	Ala	Leu	Ile	Gly	Val	Ala			
				165					170					175				
Thr	Ala	Ala	Asp	Thr	Leu	Val	Thr	Lys	Phe	Asn	Gln	Leu	Pro	Val	Glu			
			180					185					190					
Leu	Lys	Lys	Glu	Val	Glu	Met	Lys	Gly	Val	Trp	Ser	Met	Pro	Ser	Lys			
		195					200					205						
Tyr	Ser	Glu	Glu	Gly	Val	Tyr	Asn	Val	Gln	Tyr	Ser	Phe	Ile	Lys	Glu			
	210					215					220							
Ala	Glu	His	His	Cys	Leu	Leu	His	Ser	Pro	Ile	Pro	Val	Asn	Cys	Pro			
225					230					235					240			
Ile	Arg	Leu	Leu	His	Gly	Met	Lys	Asp	Asp	Ile	Val	Pro	Trp	His	Thr			
				245					250					255				
Ser	Met	Gln	Val	Ala	Asp	Arg	Val	Leu	Ser	Thr	Asp	Val	Asp	Val	Ile			
			260					265					270					
Leu	Arg	Lys	His	Ser	Asp	His	Arg	Met	Arg	Glu	Lys	Ala	Asp	Ile	Gln			
		275					280					285						
Leu	Leu	Val	Tyr	Thr	Ile	Asp	Asp	Leu	Ile	Asp	Lys	Leu	Ser	Thr	Ile			
		290				295					300							
Val	Asn																	
305																		

<210> 1199
 <211> 205
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1199

Met	Gly	Ser	Trp	Ala	Leu	Leu	Trp	Pro	Pro	Leu	Leu	Phe	Thr	Gly	Leu	
1				5				10						15		
Leu	Val	Arg	Pro	Pro	Gly	Thr	Met	Ala	Gln	Ala	Gln	Tyr	Cys	Ser	Val	
			20					25					30			
Asn	Lys	Asp	Ile	Phe	Glu	Val	Xaa	Glu	Asn	Thr	Asn	Val	Thr	Glu	Pro	
		35					40					45				
Leu	Val	Asp	Ile	His	Val	Pro	Glu	Gly	Gln	Glu	Val	Thr	Leu	Gly	Ala	
	50					55					60					
Leu	Ser	Thr	Pro	Phe	Ala	Phe	Arg	Ile	Gln	Gly	Asn	Gln	Leu	Phe	Leu	
65					70					75					80	
Asn	Val	Thr	Pro	Asp	Tyr	Glu	Glu	Lys	Ser	Leu	Leu	Glu	Ala	Gln	Leu	
				85					90					95		
Leu	Cys	Gln	Ser	Gly	Gly	Thr	Leu	Val	Thr	Gln	Leu	Arg	Val	Phe	Val	
			100					105					110			
Ser	Val	Leu	Asp	Val	Asn	Asp	Asn	Ala	Pro	Glu	Phe	Pro	Phe	Lys	Thr	
		115					120					125				
Lys	Glu	Ile	Arg	Val	Glu	Glu	Asp	Thr	Lys	Val	Asn	Ser	Thr	Val	Ile	
	130					135					140					
Pro	Glu	Thr	Gln	Leu	Gln	Ala	Glu	Asp	Arg	Asp	Lys	Asp	Asp	Ile	Leu	
145					150					155					160	
Val	Tyr	Thr	Leu	Gln	Glu	Met	Thr	Ala	Gly	Ala	Ser	Gly	Leu	Leu	Leu	
				165					170					175		
Leu	Val	Ser	Val	Asn	Arg	Pro	Pro	Glu	Leu	Asp	Arg	Xaa	Leu	Thr	Ser	
			180					185					190			
Thr	Ser	Gly	Glu	His	Asp	Leu	Leu	Leu	Ala	Gly	Ala	Asp				
		195					200					205				

<210> 1200

<211> 124

<212> PRT

<213> Homo sapiens

<400> 1200

Pro	Gln	Gly	Gln	Leu	Gly	Ala	Arg	Pro	Gln	Pro	His	Ala	Arg	Pro	Gln	
1				5					10					15		
Ala	Arg	Gly	Gly	Thr	Asp	Ala	Arg	Arg	Ala	Arg	Thr	Pro	Arg	Pro	Cys	
			20					25					30			
Leu	Pro	Arg	Arg	Cys	Pro	Glu	Pro	Pro	Ala	Ala	Ala	Arg	Ala	Gly	Gly	

35	40	45
Ser Pro Thr Ala Val Arg Ser Ile Leu Thr Lys Glu Arg Arg Pro Glu		
50	55	60
Gly Gly Tyr Lys Ala Val Trp Phe Gly Glu Asp Ile Gly Thr Glu Ala		
65	70	75
Asp Val Val Val Leu Asn Ala Pro Thr Leu Asp Val Asp Gly Ala Ser		
	85	90
Asp Ser Gly Ser Gly Asp Glu Gly Glu Gly Ala Gly Arg Gly Gly Gly		
	100	105
Pro Tyr Asp Ala Pro Gly Gly Asp Asp Ser Tyr Ile		
115	120	

<210> 1201
 <211> 447
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (260)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1201
Phe Pro Ala Gly Ala Ala Ser Thr Val Leu Ala His Asn Lys Met Leu
1 5 10 15
Lys Val Ser Ala Val Leu Cys Val Cys Ala Ala Ala Trp Cys Ser Gln
20 25 30
Ser Leu Ala Ala Ala Ala Ala Val Ala Ala Ala Gly Gly Arg Ser Asp
35 40 45
Gly Gly Asn Phe Leu Asp Asp Lys Gln Trp Leu Thr Thr Ile Ser Gln
50 55 60
Tyr Asp Lys Glu Val Gly Gln Trp Asn Lys Phe Arg Asp Asp Asp Tyr
65 70 75 80
Phe Arg Thr Trp Ser Pro Gly Lys Pro Phe Asp Gln Ala Leu Asp Pro
85 90 95
Ala Lys Asp Pro Cys Leu Lys Met Lys Cys Ser Arg His Lys Val Cys
100 105 110
Ile Ala Gln Asp Ser Gln Thr Ala Val Cys Ile Ser His Arg Arg Leu
115 120 125
Thr His Arg Met Lys Glu Ala Gly Val Asp His Arg Gln Trp Arg Gly
130 135 140

Pro	Ile	Leu	Ser	Thr	Cys	Lys	Gln	Cys	Pro	Val	Val	Tyr	Pro	Ser	Pro	145	150	155	160
Val	Cys	Gly	Ser	Asp	Gly	His	Thr	Tyr	Ser	Phe	Gln	Cys	Lys	Leu	Glu	165	170	175	
Tyr	Gln	Ala	Cys	Val	Leu	Gly	Lys	Gln	Ile	Ser	Val	Lys	Cys	Glu	Gly	180	185	190	
His	Cys	Pro	Cys	Pro	Ser	Asp	Lys	Pro	Thr	Ser	Thr	Ser	Arg	Asn	Val	195	200	205	
Lys	Arg	Ala	Cys	Ser	Asp	Leu	Glu	Phe	Arg	Glu	Val	Ala	Asn	Arg	Leu	210	215	220	
Arg	Asp	Trp	Phe	Lys	Ala	Leu	His	Glu	Ser	Gly	Ser	Gln	Asn	Lys	Lys	225	230	235	240
Thr	Lys	Thr	Leu	Leu	Arg	Pro	Glu	Arg	Ser	Arg	Phe	Asp	Thr	Ser	Ile	245	250	255	
Leu	Pro	Ile	Xaa	Lys	Asp	Ser	Leu	Gly	Trp	Met	Phe	Asn	Arg	Leu	Asp	260	265	270	
Thr	Asn	Tyr	Asp	Leu	Leu	Leu	Asp	Gln	Ser	Glu	Leu	Arg	Ser	Ile	Tyr	275	280	285	
Leu	Asp	Lys	Asn	Glu	Gln	Cys	Thr	Lys	Ala	Phe	Phe	Asn	Ser	Cys	Asp	290	295	300	
Thr	Tyr	Lys	Asp	Ser	Leu	Ile	Ser	Asn	Asn	Glu	Trp	Cys	Tyr	Cys	Phe	305	310	315	320
Gln	Arg	Gln	Gln	Asp	Pro	Pro	Cys	Gln	Thr	Glu	Leu	Ser	Asn	Ile	Gln	325	330	335	
Lys	Arg	Gln	Gly	Val	Lys	Lys	Leu	Leu	Gly	Gln	Tyr	Ile	Pro	Leu	Cys	340	345	350	
Asp	Glu	Asp	Gly	Tyr	Tyr	Lys	Pro	Thr	Gln	Cys	His	Gly	Ser	Val	Gly	355	360	365	
Gln	Cys	Trp	Cys	Val	Asp	Arg	Tyr	Gly	Asn	Glu	Val	Met	Gly	Ser	Arg	370	375	380	
Ile	Asn	Gly	Val	Ala	Asp	Cys	Ala	Ile	Asp	Phe	Glu	Ile	Ser	Gly	Asp	385	390	395	400
Phe	Ala	Ser	Gly	Asp	Phe	His	Glu	Trp	Thr	Asp	Asp	Glu	Asp	Asp	Glu	405	410	415	
Asp	Asp	Ile	Met	Asn	Asp	Glu	Asp	Glu	Ile	Glu	Asp	Asp	Asp	Glu	Asp	420	425	430	
Glu	Gly	Asp	Asp	Asp	Asp	Gly	Gly	Asp	Asp	His	Asp	Val	Tyr	Ile		435	440	445	

<210> 1202
<211> 551
<212> PRT
<213> Homo sapiens

<400> 1202

Met	Gly	Ser	Trp	Ala	Leu	Leu	Trp	Pro	Pro	Leu	Leu	Phe	Thr	Gly	Leu	
1				5				10						15		
Leu	Val	Arg	Pro	Pro	Gly	Thr	Met	Ala	Gln	Ala	Gln	Tyr	Cys	Ser	Val	
			20					25					30			
Asn	Lys	Asp	Ile	Phe	Glu	Val	Glu	Glu	Asn	Thr	Asn	Val	Thr	Glu	Pro	
		35					40					45				
Leu	Val	Asp	Ile	His	Val	Pro	Glu	Gly	Gln	Glu	Val	Thr	Leu	Gly	Ala	
	50					55					60					
Leu	Ser	Thr	Pro	Phe	Ala	Phe	Arg	Ile	Gln	Gly	Asn	Gln	Leu	Phe	Leu	
65					70					75					80	
Asn	Val	Thr	Pro	Asp	Tyr	Glu	Glu	Lys	Ser	Leu	Leu	Glu	Ala	Gln	Leu	
				85					90					95		
Leu	Cys	Gln	Ser	Gly	Gly	Thr	Leu	Val	Thr	Gln	Leu	Arg	Val	Phe	Val	
			100					105					110			
Ser	Val	Leu	Asp	Val	Asn	Asp	Asn	Ala	Pro	Glu	Phe	Pro	Phe	Lys	Thr	
		115					120					125				
Lys	Glu	Ile	Arg	Val	Glu	Glu	Asp	Thr	Lys	Val	Asn	Ser	Thr	Val	Ile	
	130					135					140					
Pro	Glu	Thr	Gln	Leu	Gln	Ala	Glu	Asp	Arg	Asp	Lys	Asp	Asp	Ile	Leu	
145					150					155					160	
Phe	Tyr	Thr	Leu	Gln	Glu	Met	Thr	Ala	Gly	Ala	Ser	Asp	Tyr	Phe	Ser	
				165					170					175		
Leu	Val	Ser	Val	Asn	Arg	Pro	Ala	Leu	Arg	Leu	Asp	Arg	Pro	Leu	Asp	
			180					185					190			
Phe	Tyr	Glu	Arg	Pro	Asn	Met	Thr	Phe	Trp	Leu	Leu	Val	Arg	Asp	Thr	
		195					200					205				
Pro	Gly	Glu	Asn	Val	Glu	Pro	Ser	His	Thr	Ala	Thr	Ala	Thr	Leu	Val	
	210					215					220					
Leu	Asn	Val	Val	Pro	Ala	Asp	Leu	Arg	Pro	Pro	Trp	Phe	Leu	Pro	Cys	
225					230					235					240	
Thr	Phe	Ser	Asp	Gly	Tyr	Val	Cys	Ile	Gln	Ala	Gln	Tyr	His	Gly	Ala	
				245					250					255		
Val	Pro	Thr	Gly	His	Ile	Leu	Pro	Ser	Pro	Leu	Val	Leu	Arg	Pro	Gly	

			260				265				270					
Pro	Ile	Tyr	Ala	Glu	Asp	Gly	Asp	Arg	Gly	Ile	Asn	Gln	Pro	Ile	Ile	
		275					280					285				
Tyr	Ser	Ile	Phe	Arg	Gly	Asn	Val	Asn	Gly	Thr	Phe	Ile	Ile	His	Pro	
		290					295					300				
Asp	Ser	Gly	Asn	Leu	Thr	Val	Ala	Arg	Ser	Val	Pro	Ser	Pro	Met	Thr	
		305					310					315				
Phe	Leu	Leu	Leu	Val	Lys	Gly	Gln	Gln	Ala	Asp	Leu	Ala	Arg	Tyr	Ser	
						325					330					
Val	Thr	Gln	Val	Thr	Val	Glu	Ala	Val	Ala	Ala	Ala	Gly	Ser	Pro	Pro	
						340					345					
Arg	Phe	Pro	Gln	Ser	Leu	Tyr	Arg	Gly	Thr	Val	Ala	Arg	Gly	Ala	Gly	
		355					360					365				
Ala	Gly	Val	Val	Val	Lys	Asp	Ala	Ala	Ala	Pro	Ser	Gln	Pro	Leu	Arg	
		370					375					380				
Ile	Gln	Ala	Gln	Asp	Pro	Glu	Phe	Ser	Asp	Leu	Asn	Ser	Ala	Ile	Thr	
		385					390					395				
Tyr	Arg	Ile	Thr	Asn	His	Ser	His	Phe	Arg	Met	Glu	Gly	Glu	Val	Val	
						405					410					
Leu	Thr	Thr	Thr	Thr	Leu	Ala	Gln	Ala	Gly	Ala	Phe	Tyr	Ala	Glu	Val	
						420					425					
Ala	Ala	Pro	Arg	Arg	Thr	Ser	Ala	Ser	Arg	Trp	Trp	Ile	Trp	Arg	Pro	
		435					440					445				
Trp	Ala	Gly	Cys	Trp	Val	Arg	Cys	Cys	Cys	Trp	Leu	Ser	Leu	Ala	Ser	
		450					455					460				
Pro	Ser	Leu	Ser	Thr	Ser	Thr	Met	Ala	Pro	Gly	Ser	Ser	Ala	Ala	Leu	
		465					470					475				
Ala	Lys	Leu	Arg	Ser	Pro	Ser	Pro	Lys	Ala	Leu	Thr	Thr	Arg	Arg	Ser	
						485					490					
Ser	Leu	Thr	Thr	Arg	Pro	Thr	Gly	Arg	Pro	Ser	Pro	Ala	Pro	Arg	Thr	
						500					505					
Thr	Pro	Ser	Pro	Arg	Arg	His	Arg	Cys	Pro	Gln	Ser	Pro	His	Pro	Pro	
		515					520					525				
Ala	Leu	Pro	Pro	Gln	Ala	Val	Pro	Leu	Ser	Pro	Pro	Gln	Arg	Pro	Glu	
		530					535					540				
Leu	Ala	Glu	Ala	Pro	Arg	Arg										
		545					550									

<210> 1203
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1203
Phe Cys Lys Gly Gln Ala Ala Leu Ala Leu Ala Ala Cys Gly Val Leu
1 5 10 15
Leu Xaa Ser Gly Gly Pro Ala Ala Ala Trp Glu Ala Asp Pro Ala Gly
20 25 30
Arg Cys Gly Arg Val Pro Thr Ala Arg Gly Arg Ser Trp Arg Lys Pro
35 40 45
Leu Cys Gly Ala Phe Gln Pro Gly Xaa Ser Trp Pro Glu Ala Pro Arg
50 55 60
Arg Cys Arg Thr Ser Pro Cys
65 70

<210> 1204
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1204

Asn Ser Xaa Xaa Asp Pro Asp Asn Val Leu Trp Pro Gly Arg Trp Thr
1 5 10 15

Gln Phe Cys Cys Ile Lys Val Lys Xaa Asp Phe Gln Glu Glu Ala Ser
20 25 30

Val Gly Val Ser Xaa Gly Gly Tyr Arg Ile Gly Val Asp Glu Asn Gln
35 40 45

Xaa Lys Gly Cys
50

<210> 1205

<211> 138

<212> PRT

<213> Homo sapiens

<400> 1205

Val Phe Cys Lys Gly Gln Ala Ala Leu Ala Leu Ala Ala Cys Gly Val
1 5 10 15

Leu Leu Gly Ser Gly Gly Pro Ala Ala Ala Trp Glu Ala Asp Pro Arg
20 25 30

Gly Gln Val Trp Pro Cys Pro Asp Arg Ala Arg Thr Glu Val Gly Gly
35 40 45

Ser Pro Cys Ala Val Pro Ser Ser Pro Glu Glu Ala Gly Leu Lys Pro
50 55 60

Pro Gly Val Ala Glu Ala Ser Pro Cys Gln Arg Pro Lys Pro Arg Leu
65 70 75 80

Gly Phe Tyr Arg Cys Ser Phe Pro Ser Thr Trp Ser Pro Ser Thr Pro
85 90 95

Ser Ser Pro Asn Ser Gln Pro Pro Phe Phe Phe Phe Leu His Ala Ser
100 105 110

Lys Val Gln Gly Pro Gln Met Tyr Arg Ser Leu Met Tyr His Pro Ala
115 120 125

Arg Glu Pro Ala Asp Tyr Gln Ala Lys Lys
130 135

<210> 1206
<211> 193
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (147)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (155)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (162)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1206
Met Ala Gly Pro Thr Cys Arg Ser Leu Leu Leu Lys Cys Leu Ala
1 5 10 15
Glu Gly Arg Cys Leu Val Cys Pro Ser Pro Ser Val Val His Cys Leu
20 25 30
Val Ser Val Val Phe Gln Met Thr Ile Leu Arg Asp Leu Glu Lys Leu
35 40 45
Ala Gly Trp His Arg Ile Ala Ile Ile Phe Ile Leu Ser Gly Ile Thr
50 55 60
Gly Asn Leu Ala Ser Ala Ile Phe Leu Pro Tyr Arg Ala Glu Val Gly
65 70 75 80
Pro Ala Gly Ser Gln Phe Gly Leu Leu Ala Cys Ser Ser Trp Ser Ser
85 90 95
Ser Arg Ala Gly Arg Cys Trp Arg Gly Pro Gly Arg Pro Ser Ser Thr
100 105 110
Ser Arg Pro Ser Cys Ser Ser Trp Ser Ser Val Ala Ser Cys Pro Gly
115 120 125
Ser Thr His Arg Pro His Leu Arg Ala Ser Ser Xaa Ala Xaa Leu Leu
130 135 140

Ala Phe Xaa Phe Leu Pro Tyr Ile Thr Phe Xaa His Gln Ala Thr Ser
145 150 155 160

Thr Xaa Ser Gly His Leu Ile Pro Gly Gly His Leu Ala Gly Pro Leu
165 170 175

Ala Gly Pro Ser Leu Ala Arg Pro Phe Gly Ala Trp Gly Leu Gly Thr
180 185 190

Phe

<210> 1207
<211> 349
<212> PRT
<213> Homo sapiens

<400> 1207
Gly Lys Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp
1 5 10 15

Pro Arg Val Arg Asp Asp Thr Gly Pro Pro Met Asp Lys Ser Asp Leu
20 25 30

Gly Gln Lys Arg Thr Ser Gly Ala Val Cys His Gln Asp Pro Arg Thr
35 40 45

Cys Glu Glu Pro Ala Ser Ser Gly Ala His Ile Trp Pro Asp Asp Ile
50 55 60

Thr Lys Trp Pro Ile Cys Thr Glu Gln Ala Arg Ser Asn His Thr Gly
65 70 75 80

Phe Leu His Val Asp Cys Glu Ile Lys Gly Arg Pro Cys Cys Ile Gly
85 90 95

Thr Lys Gly Ser Cys Glu Ile Thr Thr Arg Glu Tyr Cys Glu Phe Met
100 105 110

His Gly Tyr Phe His Glu Glu Ala Thr Leu Cys Ser Gln Val His Cys
115 120 125

Leu Asp Lys Val Cys Gly Leu Leu Pro Phe Leu Asn Pro Glu Val Pro
130 135 140

Asp Gln Phe Tyr Arg Leu Trp Leu Ser Leu Phe Leu His Ala Gly Val
145 150 155 160

Val His Cys Leu Val Ser Val Val Phe Gln Met Thr Ile Leu Arg Asp
165 170 175

Leu Glu Lys Leu Ala Gly Trp His Arg Ile Ala Ile Ile Phe Ile Leu
180 185 190

Ser Gly Ile Thr Gly Asn Leu Ala Ser Ala Ile Phe Leu Pro Tyr Arg
 195 200 205
 Ala Glu Val Gly Pro Ala Gly Ser Gln Phe Gly Leu Leu Ala Cys Leu
 210 215 220
 Phe Val Glu Leu Phe Gln Ser Trp Pro Leu Leu Glu Arg Pro Trp Lys
 225 230 235 240
 Ala Phe Leu Asn Leu Ser Ala Ile Val Leu Phe Leu Phe Ile Cys Gly
 245 250 255
 Leu Leu Pro Trp Ile Asp Asn Ile Ala His Ile Phe Gly Phe Leu Ser
 260 265 270
 Gly Leu Leu Leu Ala Phe Ala Phe Leu Pro Tyr Ile Thr Phe Gly Thr
 275 280 285
 Ser Asp Lys Tyr Arg Lys Arg Ala Leu Ile Leu Val Ser Leu Leu Ala
 290 295 300
 Phe Ala Gly Leu Phe Ala Ala Leu Val Leu Trp Leu Tyr Ile Tyr Pro
 305 310 315 320
 Ile Asn Trp Pro Trp Ile Glu His Leu Thr Cys Phe Pro Phe Thr Ser
 325 330 335
 Arg Phe Cys Glu Lys Tyr Glu Leu Asp Gln Val Leu His
 340 345

<210> 1208
 <211> 217
 <212> PRT
 <213> Homo sapiens

<400> 1208
 Met Ala Gly Pro Thr Cys Arg Ser Leu Leu Leu Leu Lys Cys Leu Ala
 1 5 10 15
 Glu Gly Arg Cys Leu Val Cys Pro Ser Pro Ser Val Val His Cys Leu
 20 25 30
 Val Ser Val Val Phe Gln Met Thr Ile Leu Arg Asp Leu Glu Lys Leu
 35 40 45
 Ala Gly Trp His Arg Ile Ala Ile Ile Phe Ile Leu Ser Gly Ile Thr
 50 55 60
 Gly Asn Leu Ala Ser Ala Ile Phe Leu Pro Tyr Arg Ala Glu Val Gly
 65 70 75 80
 Pro Ala Gly Ser Gln Phe Gly Leu Leu Ala Cys Leu Phe Val Glu Leu
 85 90 95
 Phe Gln Ser Trp Pro Leu Leu Glu Arg Pro Trp Lys Ala Phe Leu Asn

100						105						110					
Leu	Ser	Ala	Ile	Val	Leu	Phe	Leu	Phe	Ile	Cys	Gly	Leu	Leu	Pro	Trp		
115						120						125					
Ile	Asp	Asn	Ile	Ala	His	Ile	Phe	Gly	Phe	Leu	Ser	Gly	Leu	Leu	Leu		
130						135						140					
Ala	Phe	Ala	Phe	Leu	Pro	Tyr	Ile	Thr	Phe	Gly	Thr	Ser	Asp	Lys	Tyr		
145						150						155					
Arg	Lys	Arg	Ala	Leu	Ile	Leu	Val	Ser	Leu	Leu	Ala	Phe	Ala	Gly	Leu		
165						170						175					
Phe	Ala	Ala	Leu	Val	Leu	Trp	Leu	Tyr	Ile	Tyr	Pro	Ile	Asn	Trp	Pro		
180						185						190					
Trp	Ile	Glu	His	Leu	Thr	Cys	Phe	Pro	Phe	Thr	Ser	Arg	Phe	Cys	Glu		
195						200						205					
Lys	Tyr	Glu	Leu	Asp	Gln	Val	Leu	His									
210						215											

<210> 1209
 <211> 207
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (169)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (187)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (194)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1209

Met	Tyr	Tyr	Ile	Ala	His	Leu	Leu	Lys	Gly	Ala	Leu	Leu	Phe	Ile	Thr
1				5					10					15	

Ile	Ala	Leu	Ile	Gly	Ser	Gly	Trp	Ala	Phe	Ile	Lys	Tyr	Val	Leu	Ser
			20					25					30		

Asp	Lys	Glu	Lys	Lys	Val	Phe	Gly	Ile	Val	Ile	Pro	Met	Gln	Val	Leu
		35					40					45			

Ala	Thr	Trp	Pro	Thr	Ser	Ser	Ser	Ser	Pro	Ala	Arg	Lys	Ala	Pro	Ala
	50					55					60				

Thr	Thr	Cys	Cys	Gly	Xaa	Xaa	Xaa	Xaa	Pro	Xaa	Gly	Pro	His	Leu	Leu
65					70					75					80

Xaa	Cys	His	Pro	Val	Pro	Val	Val	Xaa	Xaa	His	Pro	Ala	Ser	Xaa	Gly
				85					90					95	

Xaa	Val	Xaa	Pro	Gln	Asp	Gly	Lys	Xaa	Ala	Ser	Glu	Pro	Gly	Gln	Ser
			100					105					110		

Leu	Lys	Leu	Val	Pro	Gly	Ile	Tyr	Tyr	Val	Met	Gly	His	Leu	Xaa	Arg
		115					120					125			

Leu	Leu	Ser	Pro	Gly	Ser	Ile	Gly	His	Pro	Ala	Cys	Xaa	Val	Ala	Trp
	130					135					140				

Cys	Pro	Phe	Ser	Ser	Gly	Lys	Trp	Ala	Cys	Thr	Gln	Ala	Ser	Trp	Val
145					150					155					160

Gly	Arg	Ala	Ser	Thr	Leu	Gly	Pro	Xaa	Phe	Gly	Ala	Tyr	Arg	Ala	Tyr
				165					170					175	

Lys	Xaa	Ser	Gly	Pro	Gln	Gly	Asn	Lys	Pro	Xaa	Thr	Leu	Asn	Leu	Pro
			180					185					190		

Lys	Xaa	Gly	Gln	Gly	Gly	Met	Val	Lys	Met	Glu	Gln	Val	Met	Asp	
		195					200					205			

<210> 1210

<211> 553

<212> PRT

<213> Homo sapiens

<400> 1210

Val	Asp	Pro	Arg	Val	Arg	Val	Ala	Pro	Glu	Met	Ala	Val	Ser	Glu	Arg
1				5					10					15	

Arg	Gly	Leu	Gly	Arg	Gly	Ser	Pro	Ala	Glu	Trp	Gly	Gln	Arg	Leu	Leu	20	25	30	
Leu	Val	Leu	Leu	Leu	Gly	Gly	Cys	Ser	Gly	Arg	Ile	His	Arg	Leu	Ala	35	40	45	
Leu	Thr	Gly	Glu	Lys	Arg	Ala	Asp	Ile	Gln	Leu	Asn	Ser	Phe	Gly	Phe	50	55	60	
Tyr	Thr	Asn	Gly	Ser	Leu	Glu	Val	Glu	Leu	Ser	Val	Leu	Arg	Leu	Gly	65	70	75	80
Leu	Arg	Glu	Ala	Glu	Glu	Lys	Ser	Leu	Leu	Val	Gly	Phe	Ser	Leu	Ser	85	90	95	
Arg	Val	Arg	Ser	Gly	Arg	Val	Arg	Ser	Tyr	Ser	Thr	Arg	Asp	Phe	Gln	100	105	110	
Asp	Cys	Pro	Leu	Gln	Lys	Asn	Ser	Ser	Ser	Phe	Leu	Val	Leu	Phe	Leu	115	120	125	
Ile	Asn	Thr	Lys	Asp	Leu	Gln	Val	Gln	Val	Arg	Lys	Tyr	Gly	Glu	Gln	130	135	140	
Lys	Thr	Leu	Phe	Ile	Phe	Pro	Gly	Leu	Leu	Pro	Glu	Ala	Pro	Ser	Lys	145	150	155	160
Pro	Gly	Leu	Pro	Lys	Pro	Gln	Ala	Thr	Val	Pro	Arg	Lys	Val	Asp	Gly	165	170	175	
Gly	Gly	Thr	Ser	Ala	Ala	Ser	Lys	Pro	Lys	Ser	Thr	Pro	Ala	Val	Ile	180	185	190	
Gln	Gly	Pro	Ser	Gly	Lys	Asp	Lys	Asp	Leu	Val	Leu	Gly	Leu	Ser	His	195	200	205	
Leu	Asn	Asn	Ser	Tyr	Asn	Phe	Ser	Phe	His	Val	Val	Ile	Gly	Ser	Gln	210	215	220	
Ala	Glu	Glu	Gly	Gln	Tyr	Ser	Leu	Asn	Phe	His	Asn	Cys	Asn	Asn	Ser	225	230	235	240
Val	Pro	Gly	Lys	Glu	His	Pro	Phe	Asp	Ile	Thr	Val	Met	Ile	Arg	Glu	245	250	255	
Lys	Asn	Pro	Asp	Gly	Phe	Leu	Ser	Ala	Ala	Glu	Met	Pro	Leu	Phe	Lys	260	265	270	
Leu	Tyr	Met	Val	Met	Ser	Ala	Cys	Phe	Leu	Ala	Ala	Gly	Ile	Phe	Trp	275	280	285	
Val	Ser	Ile	Leu	Cys	Arg	Asn	Thr	Tyr	Ser	Val	Phe	Lys	Ile	His	Trp	290	295	300	
Leu	Met	Ala	Ala	Leu	Ala	Phe	Thr	Lys	Ser	Ile	Ser	Leu	Leu	Phe	His	305	310	315	320

Ser Ile Asn Tyr Tyr Phe Ile Asn Ser Gln Gly His Pro Ile Glu Gly
 325 330 335
 Leu Ala Val Met Tyr Tyr Ile Ala His Leu Leu Lys Gly Ala Leu Leu
 340 345 350
 Phe Ile Thr Ile Ala Leu Ile Gly Ser Gly Trp Ala Phe Ile Lys Tyr
 355 360 365
 Val Leu Ser Asp Lys Glu Lys Lys Val Phe Gly Ile Val Ile Pro Met
 370 375 380
 Gln Val Leu Ala Asn Val Ala Tyr Ile Ile Ile Glu Ser Arg Glu Glu
 385 390 395 400
 Gly Ala Ser Asp Tyr Val Leu Trp Lys Glu Ile Leu Phe Leu Val Asp
 405 410 415
 Leu Ile Cys Cys Gly Ala Ile Leu Phe Pro Val Val Trp Ser Ile Arg
 420 425 430
 His Leu Gln Asp Ala Ser Gly Thr Asp Gly Lys Val Ala Val Asn Leu
 435 440 445
 Ala Lys Leu Lys Leu Phe Arg His Tyr Tyr Val Met Val Ile Cys Tyr
 450 455 460
 Val Tyr Phe Thr Arg Ile Ile Ala Ile Leu Leu Gln Val Ala Val Pro
 465 470 475 480
 Phe Gln Trp Gln Trp Leu Tyr Gln Leu Leu Val Glu Gly Ser Thr Leu
 485 490 495
 Ala Phe Phe Val Leu Thr Gly Tyr Lys Phe Gln Pro Thr Gly Asn Asn
 500 505 510
 Pro Tyr Leu Gln Leu Pro Gln Glu Asp Glu Glu Asp Val Gln Met Glu
 515 520 525
 Gln Val Met Thr Asp Ser Gly Phe Arg Glu Gly Leu Ser Lys Val Asn
 530 535 540
 Lys Thr Ala Ser Gly Arg Glu Leu Leu
 545 550

<210> 1211
 <211> 543
 <212> PRT
 <213> Homo sapiens

<400> 1211
 Met Ala Val Ser Glu Arg Arg Gly Leu Gly Arg Gly Ser Pro Ala Glu
 1 5 10 15
 Trp Gly Gln Arg Leu Leu Leu Val Leu Leu Leu Gly Gly Cys Ser Gly

20					25					30					
Arg	Ile	His	Arg	Leu	Ala	Leu	Thr	Gly	Glu	Lys	Arg	Ala	Asp	Ile	Gln
		35					40					45			
Leu	Asn	Ser	Phe	Gly	Phe	Tyr	Thr	Asn	Gly	Ser	Leu	Glu	Val	Glu	Leu
	50					55					60				
Ser	Val	Leu	Arg	Leu	Gly	Leu	Arg	Glu	Ala	Glu	Glu	Lys	Ser	Leu	Leu
	65					70					75				80
Val	Gly	Phe	Ser	Leu	Ser	Arg	Val	Arg	Ser	Gly	Arg	Val	Arg	Ser	Tyr
				85					90					95	
Ser	Thr	Arg	Asp	Phe	Gln	Asp	Cys	Pro	Leu	Gln	Lys	Asn	Ser	Ser	Ser
			100					105					110		
Phe	Leu	Val	Leu	Phe	Leu	Ile	Asn	Thr	Lys	Asp	Leu	Gln	Val	Gln	Val
		115					120					125			
Arg	Lys	Tyr	Gly	Glu	Gln	Lys	Thr	Leu	Phe	Ile	Phe	Pro	Gly	Leu	Leu
	130					135					140				
Pro	Glu	Ala	Pro	Ser	Lys	Pro	Gly	Leu	Pro	Lys	Pro	Gln	Ala	Thr	Val
	145					150					155				160
Pro	Arg	Lys	Val	Asp	Gly	Gly	Gly	Thr	Ser	Ala	Ala	Ser	Lys	Pro	Lys
				165					170					175	
Ser	Thr	Pro	Ala	Val	Ile	Gln	Gly	Pro	Ser	Gly	Lys	Asp	Lys	Asp	Leu
			180					185					190		
Val	Leu	Gly	Leu	Ser	His	Leu	Asn	Asn	Ser	Tyr	Asn	Phe	Ser	Phe	His
		195					200					205			
Val	Val	Ile	Gly	Ser	Gln	Ala	Glu	Glu	Gly	Gln	Tyr	Ser	Leu	Asn	Phe
	210					215					220				
His	Asn	Cys	Asn	Asn	Ser	Val	Pro	Gly	Lys	Glu	His	Pro	Phe	Asp	Ile
	225					230					235				240
Thr	Val	Met	Ile	Arg	Glu	Lys	Asn	Pro	Asp	Gly	Phe	Leu	Ser	Ala	Ala
				245					250					255	
Glu	Met	Pro	Leu	Phe	Lys	Leu	Tyr	Met	Val	Met	Ser	Ala	Cys	Phe	Leu
			260					265					270		
Ala	Ala	Gly	Ile	Phe	Trp	Val	Ser	Ile	Leu	Cys	Arg	Asn	Thr	Tyr	Ser
		275					280					285			
Val	Phe	Lys	Ile	His	Trp	Leu	Met	Ala	Ala	Leu	Ala	Phe	Thr	Lys	Ser
	290					295					300				
Ile	Ser	Leu	Leu	Phe	His	Ser	Ile	Asn	Tyr	Tyr	Phe	Ile	Asn	Ser	Gln
	305					310					315				320
Gly	His	Pro	Ile	Glu	Gly	Leu	Ala	Val	Met	Tyr	Tyr	Ile	Ala	His	Leu

325								330				335			
Leu	Lys	Gly	Ala	Leu	Leu	Phe	Ile	Thr	Ile	Ala	Leu	Ile	Gly	Ser	Gly
			340					345					350		
Trp	Ala	Phe	Ile	Lys	Tyr	Val	Leu	Ser	Asp	Lys	Glu	Lys	Lys	Val	Phe
		355					360					365			
Gly	Ile	Val	Ile	Pro	Met	Gln	Val	Leu	Ala	Asn	Val	Ala	Tyr	Ile	Ile
	370					375					380				
Ile	Glu	Ser	Arg	Glu	Glu	Gly	Ala	Ser	Asp	Tyr	Val	Leu	Trp	Lys	Glu
385					390				395						400
Ile	Leu	Phe	Leu	Val	Asp	Leu	Ile	Cys	Cys	Gly	Ala	Ile	Leu	Phe	Pro
				405					410					415	
Val	Val	Trp	Ser	Ile	Arg	His	Leu	Gln	Asp	Ala	Ser	Gly	Thr	Asp	Gly
			420					425					430		
Lys	Val	Ala	Val	Asn	Leu	Ala	Lys	Leu	Lys	Leu	Phe	Arg	His	Tyr	Tyr
		435					440					445			
Val	Met	Val	Ile	Cys	Tyr	Val	Tyr	Phe	Thr	Arg	Ile	Ile	Ala	Ile	Leu
	450					455					460				
Leu	Gln	Val	Ala	Val	Pro	Phe	Gln	Trp	Gln	Trp	Leu	Tyr	Gln	Leu	Leu
465					470				475						480
Val	Glu	Gly	Ser	Thr	Leu	Ala	Phe	Phe	Val	Leu	Thr	Gly	Tyr	Lys	Phe
				485					490					495	
Gln	Pro	Thr	Gly	Asn	Asn	Pro	Tyr	Leu	Gln	Leu	Pro	Gln	Glu	Asp	Glu
			500					505					510		
Glu	Asp	Val	Gln	Met	Glu	Gln	Val	Met	Thr	Asp	Ser	Gly	Phe	Arg	Glu
		515					520					525			
Gly	Leu	Ser	Lys	Val	Asn	Lys	Thr	Ala	Ser	Gly	Arg	Glu	Leu	Leu	
	530					535					540				

<210> 1212

<211> 204

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (204)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1212

Met Ala Ala Leu Ala Tyr Asn Leu Gly Lys Arg Glu Ile Asn His Tyr
1 5 10 15

Phe Ser Val Arg Ser Ala Lys Val Leu Ala Leu Val Ala Val Leu Leu
20 25 30

Leu Ala Ala Cys His Leu Ala Ser Arg Arg Tyr Arg Gly Asn Asp Ser
35 40 45

Cys Glu Tyr Leu Leu Ser Ser Gly Arg Phe Leu Gly Glu Lys Val Trp
50 55 60

Gln Pro His Ser Cys Met Met His Lys Tyr Lys Ile Ser Glu Ala Lys
65 70 75 80

Asn Cys Leu Val Asp Lys His Ile Ala Phe Ile Gly Asp Ser Arg Ile
85 90 95

Arg Gln Leu Phe Tyr Ser Phe Val Lys Ile Ile Asn Pro Gln Phe Lys
100 105 110

Glu Glu Gly Asn Lys His Glu Asn Ile Pro Phe Glu Asp Lys Thr Ala
115 120 125

Ser Val Lys Val Asp Phe Leu Trp His Pro Glu Val Asn Gly Ser Met
130 135 140

Lys Gln Cys Ile Lys Val Trp Thr Glu Asp Ser Ile Ala Lys Pro His
145 150 155 160

Val Xaa Val Ala Gly Ala Ala Thr Trp Ser Ile Lys Ile His Asn Gly
165 170 175

Ser Ser Glu Ala Leu Ser Gln Tyr Lys Met Asn Ile Thr Phe Ile Ala
180 185 190

Pro Leu Leu Glu Lys Leu Ala Lys Thr Ser Asp Xaa
195 200

<210> 1213

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1213

Glu Leu His Lys Pro Phe Glu Tyr Leu Ile Gln Asp Asn Gly Xaa Val
1 5 10 15

Leu Leu Leu Gln Asn Asn Val Tyr Val Cys Met Tyr Ile Trp Phe Ser
 20 25 30
 Ile Tyr Ile Lys Gly Leu Asp Glu Pro Pro Lys Asn Trp Leu Arg Thr
 35 40 45
 Leu Gln Trp Asn Leu Gln Ala Ser Ile Cys Lys Ser Ala Arg His Lys
 50 55 60
 Thr Thr Cys Ser Leu Arg Ala Lys Arg Met Arg Phe Ser Gln Ile Leu
 65 70 75 80
 Ile Ile Leu Asn Val
 85

<210> 1214
 <211> 289
 <212> PRT
 <213> Homo sapiens

<400> 1214
 Met Ala Ala Leu Ala Tyr Asn Leu Gly Lys Arg Glu Ile Asn His Tyr
 1 5 10 15
 Phe Ser Val Arg Ser Ala Lys Val Leu Ala Leu Val Ala Val Leu Leu
 20 25 30
 Leu Ala Ala Cys His Leu Ala Ser Arg Arg Tyr Arg Gly Asn Asp Ser
 35 40 45
 Cys Glu Tyr Leu Leu Ser Ser Gly Arg Phe Leu Gly Glu Lys Val Trp
 50 55 60
 Gln Pro His Ser Cys Met Met His Lys Tyr Lys Ile Ser Glu Ala Lys
 65 70 75 80
 Asn Cys Leu Val Asp Lys His Ile Ala Phe Ile Gly Asp Ser Arg Ile
 85 90 95
 Arg Gln Leu Phe Tyr Ser Phe Val Lys Ile Ile Asn Pro Gln Phe Lys
 100 105 110
 Glu Glu Gly Asn Lys His Glu Asn Ile Pro Phe Glu Asp Lys Thr Ala
 115 120 125
 Ser Val Lys Val Asp Phe Leu Trp His Pro Glu Val Asn Gly Ser Met
 130 135 140
 Lys Gln Cys Ile Lys Val Trp Thr Glu Asp Ser Ile Ala Lys Pro His
 145 150 155 160
 Val Ile Val Ala Gly Ala Ala Thr Trp Ser Ile Lys Ile His Asn Gly
 165 170 175
 Ser Ser Glu Ala Leu Ser Gln Tyr Lys Met Asn Ile Thr Ser Ile Ala

	180		185		190										
Pro	Leu	Leu	Glu	Lys	Leu	Ala	Lys	Thr	Ser	Asp	Val	Tyr	Trp	Val	Leu
	195						200					205			
Gln	Asp	Pro	Val	Tyr	Glu	Asp	Leu	Leu	Ser	Glu	Asn	Arg	Lys	Met	Ile
	210					215					220				
Thr	Asn	Glu	Lys	Ile	Asp	Ala	Tyr	Asn	Glu	Ala	Ala	Val	Ser	Ile	Leu
225					230					235					240
Asn	Ser	Ser	Thr	Arg	Asn	Ser	Lys	Ser	Asn	Val	Lys	Met	Phe	Ser	Val
				245					250					255	
Ser	Lys	Leu	Ile	Ala	Gln	Glu	Thr	Ile	Met	Glu	Ser	Leu	Asp	Gly	Leu
			260					265					270		
His	Leu	Pro	Glu	Ser	Ser	Arg	Glu	Thr	Val	Arg	Asn	Phe	Tyr	Ile	Cys
	275						280					285			

Gln

<210> 1215
 <211> 215
 <212> PRT
 <213> Homo sapiens

<400> 1215
 Cys Glu Val Arg Pro Glu Val Leu Phe Leu Thr Arg His Phe Ile Phe
 1 5 10 15
 His Asp Asn Asn Asn Thr Trp Glu Gly His Tyr Tyr His Tyr Ser Asp
 20 25 30
 Pro Val Cys Lys His Pro Thr Phe Ser Ile Tyr Ala Arg Gly Arg Tyr
 35 40 45
 Ser Arg Gly Val Leu Ser Ser Arg Val Met Gly Gly Thr Glu Phe Val
 50 55 60
 Phe Lys Val Asn His Met Lys Val Thr Pro Met Asp Ala Ala Thr Ala
 65 70 75 80
 Ser Leu Leu Asn Val Phe Asn Gly Asn Glu Cys Gly Ala Glu Gly Ser
 85 90 95
 Trp Gln Val Gly Ile Gln Gln Asp Val Thr His Thr Asn Gly Cys Val
 100 105 110
 Ala Leu Gly Ile Lys Leu Pro His Thr Glu Tyr Glu Ile Phe Lys Met
 115 120 125
 Glu Gln Asp Ala Arg Gly Arg Tyr Leu Leu Phe Asn Gly Gln Arg Pro
 130 135 140

Ser	Asp	Gly	Ser	Ser	Pro	Asp	Arg	Pro	Glu	Lys	Arg	Ala	Thr	Ser	Tyr
145					150					155					160
Gln	Met	Pro	Leu	Val	Gln	Cys	Ala	Ser	Ser	Ser	Pro	Arg	Ala	Glu	Asp
				165					170					175	
Leu	Ala	Glu	Asp	Ser	Gly	Ser	Ser	Leu	Tyr	Gly	Arg	Ala	Pro	Gly	Arg
			180					185					190		
His	Thr	Trp	Ser	Leu	Leu	Leu	Ala	Ala	Leu	Ala	Cys	Leu	Val	Pro	Leu
		195					200					205			
Leu	His	Trp	Asn	Ile	Arg	Arg									
	210					215									

<210> 1216
 <211> 466
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (268)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (458)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (460)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (461)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (463)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1216
 Met Ser Trp Pro Arg Arg Leu Leu Leu Arg Tyr Leu Phe Pro Ala Leu
 1 5 10 15
 Leu Leu His Gly Leu Gly Glu Gly Ser Ala Leu Leu His Pro Asp Ser
 20 25 30
 Arg Ser His Pro Arg Ser Leu Glu Lys Ser Ala Trp Arg Ala Phe Lys
 35 40 45

Glu	Ser	Gln	Cys	His	His	Met	Leu	Lys	His	Leu	His	Asn	Gly	Ala	Arg
50						55					60				
Ile	Thr	Val	Gln	Met	Pro	Pro	Thr	Ile	Glu	Gly	His	Trp	Val	Ser	Thr
65					70					75					80
Gly	Cys	Glu	Val	Arg	Ser	Gly	Pro	Glu	Phe	Ile	Thr	Arg	Ser	Tyr	Arg
				85					90					95	
Phe	Tyr	His	Asn	Asn	Thr	Phe	Lys	Ala	Tyr	Gln	Phe	Tyr	Tyr	Gly	Ser
			100					105					110		
Asn	Arg	Cys	Thr	Asn	Pro	Thr	Tyr	Thr	Leu	Ile	Ile	Arg	Gly	Lys	Ile
		115					120					125			
Arg	Leu	Arg	Gln	Ala	Ser	Trp	Ile	Ile	Arg	Gly	Gly	Thr	Glu	Ala	Asp
130						135					140				
Tyr	Gln	Leu	His	Asn	Val	Gln	Val	Ile	Cys	His	Thr	Glu	Ala	Val	Ala
145					150					155					160
Glu	Lys	Leu	Gly	Gln	Gln	Val	Asn	Arg	Thr	Cys	Pro	Gly	Phe	Leu	Ala
				165					170					175	
Asp	Gly	Gly	Pro	Trp	Val	Gln	Asp	Val	Ala	Tyr	Asp	Leu	Trp	Arg	Glu
			180					185					190		
Glu	Asn	Gly	Cys	Glu	Cys	Thr	Lys	Ala	Val	Asn	Phe	Ala	Met	His	Glu
		195					200					205			
Leu	Gln	Leu	Ile	Arg	Val	Glu	Lys	Gln	Tyr	Leu	His	His	Asn	Leu	Asp
210						215					220				
His	Leu	Val	Glu	Glu	Leu	Phe	Leu	Gly	Asp	Ile	His	Thr	Asp	Ala	Thr
225					230					235					240
Gln	Arg	Met	Phe	Tyr	Arg	Pro	Ser	Ser	Tyr	Gln	Pro	Pro	Leu	Gln	Asn
				245					250					255	
Ala	Lys	Asn	His	Asp	His	Ala	Cys	Ile	Ala	Cys	Xaa	Ile	Ile	Tyr	Arg
			260					265					270		
Ser	Asp	Glu	His	His	Pro	Pro	Ile	Leu	Pro	Pro	Lys	Ala	Asp	Leu	Thr
		275					280					285			
Ile	Gly	Leu	His	Gly	Glu	Trp	Val	Ser	Gln	Arg	Cys	Glu	Val	Arg	Pro
290						295					300				
Glu	Val	Leu	Phe	Leu	Thr	Arg	His	Phe	Ile	Phe	His	Asp	Asn	Asn	Asn
305					310					315					320
Thr	Trp	Glu	Gly	His	Tyr	Tyr	His	Tyr	Ser	Asp	Pro	Val	Cys	Lys	His
				325					330					335	
Pro	Thr	Phe	Ser	Ile	Tyr	Ala	Arg	Gly	Arg	Tyr	Ser	Arg	Gly	Val	Leu
			340					345					350		

Ser Ser Arg Val Met Gly Gly Thr Glu Phe Val Phe Lys Val Asn His
 355 360 365
 Met Lys Val Thr Pro Met Asp Ala Ala Thr Ala Ser Leu Leu Asn Val
 370 375 380
 Phe Asn Gly Asn Glu Cys Gly Ala Glu Gly Ser Trp Gln Val Gly Ile
 385 390 395 400
 Gln Gln Asp Val Thr His Thr Asn Gly Cys Val Ala Leu Gly Ile Lys
 405 410 415
 Leu Pro His Thr Glu Tyr Glu Ile Phe Lys Met Glu Gln Asp Ala Arg
 420 425 430
 Gly Arg Tyr Leu Leu Phe Asn Gly Gln Arg Pro Ser Asp Gly Ser Ser
 435 440 445
 Pro Asp Arg Pro Arg Arg Lys Lys Gly Xaa Lys Xaa Xaa Lys Xaa Ala
 450 455 460
 Pro Pro
 465

<210> 1217
 <211> 514
 <212> PRT
 <213> Homo sapiens

<400> 1217
 Met Ser Trp Pro Arg Arg Leu Leu Leu Arg Tyr Leu Phe Pro Ala Leu
 1 5 10 15
 Leu Leu His Gly Leu Gly Glu Gly Ser Ala Leu Leu His Pro Asp Ser
 20 25 30
 Arg Ser His Pro Arg Ser Leu Glu Lys Ser Ala Trp Arg Ala Phe Lys
 35 40 45
 Glu Ser Gln Cys His His Met Leu Lys His Leu His Asn Gly Ala Arg
 50 55 60
 Ile Thr Val Gln Met Pro Pro Thr Ile Glu Gly His Trp Val Ser Thr
 65 70 75 80
 Gly Cys Glu Val Arg Ser Gly Pro Glu Phe Ile Thr Arg Ser Tyr Arg
 85 90 95
 Phe Tyr His Asn Asn Thr Phe Lys Ala Tyr Gln Phe Tyr Tyr Gly Ser
 100 105 110
 Asn Arg Cys Thr Asn Pro Thr Tyr Thr Leu Ile Ile Arg Gly Lys Ile
 115 120 125

Arg	Leu	Arg	Gln	Ala	Ser	Trp	Ile	Ile	Arg	Gly	Gly	Thr	Glu	Ala	Asp	130	135	140	
Tyr	Gln	Leu	His	Asn	Val	Gln	Val	Ile	Cys	His	Thr	Glu	Ala	Val	Ala	145	150	155	160
Glu	Lys	Leu	Gly	Gln	Gln	Val	Asn	Arg	Thr	Cys	Pro	Gly	Phe	Leu	Ala	165	170	175	
Asp	Gly	Gly	Pro	Trp	Val	Gln	Asp	Val	Ala	Tyr	Asp	Leu	Trp	Arg	Glu	180	185	190	
Glu	Asn	Gly	Cys	Glu	Cys	Thr	Lys	Ala	Val	Asn	Phe	Ala	Met	His	Glu	195	200	205	
Leu	Gln	Leu	Ile	Arg	Val	Glu	Lys	Gln	Tyr	Leu	His	His	Asn	Leu	Asp	210	215	220	
His	Leu	Val	Glu	Glu	Leu	Phe	Leu	Gly	Asp	Ile	His	Thr	Asp	Ala	Thr	225	230	235	240
Gln	Arg	Met	Phe	Tyr	Arg	Pro	Ser	Ser	Tyr	Gln	Pro	Pro	Leu	Gln	Asn	245	250	255	
Ala	Lys	Asn	His	Asp	His	Ala	Cys	Ile	Ala	Cys	Arg	Ile	Ile	Tyr	Arg	260	265	270	
Ser	Asp	Glu	His	His	Pro	Pro	Ile	Leu	Pro	Pro	Lys	Ala	Asp	Leu	Thr	275	280	285	
Ile	Gly	Leu	His	Gly	Glu	Trp	Val	Ser	Gln	Arg	Cys	Glu	Val	Arg	Pro	290	295	300	
Glu	Val	Leu	Phe	Leu	Thr	Arg	His	Phe	Ile	Phe	His	Asp	Asn	Asn	Asn	305	310	315	320
Thr	Trp	Glu	Gly	His	Tyr	Tyr	His	Tyr	Ser	Asp	Pro	Val	Cys	Lys	His	325	330	335	
Pro	Thr	Phe	Ser	Ile	Tyr	Ala	Arg	Gly	Arg	Tyr	Ser	Arg	Gly	Val	Leu	340	345	350	
Ser	Ser	Arg	Val	Met	Gly	Gly	Thr	Glu	Phe	Val	Phe	Lys	Val	Asn	His	355	360	365	
Met	Lys	Val	Thr	Pro	Met	Asp	Ala	Ala	Thr	Ala	Ser	Leu	Leu	Asn	Val	370	375	380	
Phe	Asn	Gly	Asn	Glu	Cys	Gly	Ala	Glu	Gly	Ser	Trp	Gln	Val	Gly	Ile	385	390	395	400
Gln	Gln	Asp	Val	Thr	His	Thr	Asn	Gly	Cys	Val	Ala	Leu	Gly	Ile	Lys	405	410	415	
Leu	Pro	His	Thr	Glu	Tyr	Glu	Ile	Phe	Lys	Met	Glu	Gln	Asp	Ala	Arg	420	425	430	

Gly Arg Tyr Leu Leu Phe Asn Gly Gln Arg Pro Ser Asp Gly Ser Ser
435 440 445

Pro Asp Arg Pro Glu Lys Arg Ala Thr Ser Tyr Gln Met Pro Leu Val
450 455 460

Gln Cys Ala Ser Ser Ser Pro Arg Ala Glu Asp Leu Ala Glu Asp Ser
465 470 475 480

Gly Ser Ser Leu Tyr Gly Arg Ala Pro Gly Arg His Thr Trp Ser Leu
485 490 495

Leu Leu Ala Ala Leu Ala Cys Leu Val Pro Leu Leu His Trp Asn Ile
500 505 510

Arg Arg

<210> 1218
<211> 36
<212> PRT
<213> Homo sapiens

<400> 1218
Met Asn Asn Ser Ile Ala Ala Gln Ala Ser Lys Phe Val Ile Leu Tyr
1 5 10 15

Leu Phe Ile Leu Ser Phe Pro Lys Gln Cys Ile Cys His Ile Leu Ser
20 25 30

Glu Met Val Trp
35

<210> 1219
<211> 101
<212> PRT
<213> Homo sapiens

<400> 1219
Gln Ala Ser Lys Ser Leu Leu Pro His Gly Ile His Thr Ile Leu Asn
1 5 10 15

Val Ile Tyr Ile Asn Leu Thr Ser Val Gly Ile Met Thr Met Cys Met
20 25 30

Lys Cys Asn Leu Pro Lys Lys Phe Leu Arg Asp Ser Val Ser Lys Val
35 40 45

Leu Ile Asp Ser Trp Ser His Arg Tyr Leu Leu Thr Ser Met Tyr Gln
50 55 60

Tyr Ser Arg Leu Ser Glu Glu Lys Gln Val Ile Ser Ile Tyr Cys Ile
65 70 75 80

Ile Tyr Thr Asn Asn Leu Gly Thr Leu Lys Asp Ser Tyr Gln Leu Gly
85 90 95

Trp Trp Glu Pro Ser
100

<210> 1220
<211> 178
<212> PRT
<213> Homo sapiens

<400> 1220
His Leu Leu Glu Val Thr Pro Cys Arg Leu Pro Val Pro Glu Phe Pro
1 5 10 15

Gly Arg Thr Pro Arg Gly Ser Arg Thr Pro Asp Met Arg Arg Leu Leu
20 25 30

Leu Val Thr Ser Leu Val Val Val Leu Leu Trp Glu Ala Gly Ala Val
35 40 45

Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val Lys His Trp Pro Ser
50 55 60

Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg Val Val Glu Pro Pro
65 70 75 80

Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro Val Gln Lys Pro Lys
85 90 95

Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Gln Gly Arg Gly Pro Ile
100 105 110

Leu Pro Gly Thr Lys Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg
115 120 125

Val Leu Ser Pro Glu Pro Asp His Asp Ser Leu Tyr His Pro Pro Pro
130 135 140

Glu Glu Asp Gln Gly Glu Glu Arg Pro Arg Leu Trp Val Met Pro Asn
145 150 155 160

His Gln Val Leu Leu Gly Pro Glu Glu Asp Gln Asp His Ile Tyr His
165 170 175

Pro Gln

<210> 1221
<211> 40
<212> PRT
<213> Homo sapiens

<400> 1221
Met Asn Asn Ser Ile Ala Ala Gln Ala Ser Lys Phe Val Ile Leu Tyr
1 5 10 15
Leu Phe Ile Leu Ser Phe Pro Lys Gln Cys Ile Cys His Ile Leu Val
20 25 30
Arg Trp Ser Gly Lys Ser His Phe
35 40

<210> 1222
<211> 39
<212> PRT
<213> Homo sapiens

<400> 1222
Met Met Gln Val Pro Asp Leu Glu Leu Gly Leu Leu Leu Ala Thr Phe
1 5 10 15
Leu Leu His Leu Leu Asp Ala Leu Pro Met Leu Leu Ser Leu Gln Ser
20 25 30
Cys Arg Glu Pro Thr Ser Ser
35

<210> 1223
<211> 54
<212> PRT
<213> Homo sapiens

<400> 1223
Gly Thr Leu Gln Arg Gly Phe Leu Leu Cys Ser Leu Val Pro Gly Trp
1 5 10 15
Gly Trp Gly Thr Pro Ala Ala Leu Thr Asp Gly Ser Pro Phe Ser Leu
20 25 30
Ser Gly His Pro Ser Pro Thr Leu Thr Cys Thr Lys Phe Ser Pro Gln
35 40 45
Leu Leu Cys Val Ala Pro
50

<210> 1224
<211> 39
<212> PRT
<213> Homo sapiens

<400> 1224
Met Met Gln Val Pro Asp Leu Glu Leu Gly Leu Leu Leu Ala Thr Phe

1	5	10	15
Leu Leu His	Leu Leu Asp	Ala Leu Pro Met	Leu Leu Ser Leu Gln Ser
20	25	30	
Cys Arg Glu	Pro Thr Ser Ser		
35			

<210> 1225
 <211> 167
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (165)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1225
Met Ser Leu Tyr Leu Cys Val Ser Leu Leu Ile Ser Leu Ser Leu Ser
1 5 10 15
Leu Asn Val Ser Val Ser Val Ser Leu Arg Leu Cys Leu Tyr Phe Ser
20 25 30
Pro Pro Leu Ser Asp Ala Ile Ser Leu Cys Leu Ser Leu Ser Leu Ser
35 40 45
Val Ser Pro Phe Leu Ser Pro Ser Leu Ala Leu Cys Phe Leu Cys Leu
50 55 60
Cys Leu Phe Leu Ala Gln Ser Arg Ala Leu Gly Met Arg Thr Arg Val
65 70 75 80
Ser Gln Gly Trp Leu Gln Leu Asp Thr Ser Gly Ile Pro Ala Ser Pro
85 90 95
Gly Pro Ser Lys Gly Glu Arg Tyr Val Thr Phe Gly Val Val Gly Gly
100 105 110
Ala Gly Ser Asn Leu Ala Val His Ser Ala Arg Pro Leu Ile Gly Asn
115 120 125
Leu Leu Ser Val Gly Pro Thr Ser Thr Leu Thr Pro Thr Arg Gly Leu
130 135 140
Ser Trp Gln Ser Ile Ala Ala Ser Pro Ser Ser Thr Gly His Ala Lys
145 150 155 160
Phe Arg Glu Thr Xaa Lys Asn
165

<210> 1226

<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1226
Gln Leu Arg Xaa Leu Arg Asp Ser Ile Pro Glu Gln Phe Cys Asn Arg
1 5 10 15
Leu Lys Ala Pro Gly Asn Arg Thr His Ile Ser Gly Cys Leu Gly Gly
20 25 30
Gly Gln Asp Leu Gly Gly Pro Glu Arg Val Phe Trp Asp Asp Gly Ile
35 40 45
Phe Cys Ile Leu Thr Val Trp Cys Leu His Arg Xaa Gln His Leu Ser
50 55 60
Glu Ile Asn Gly Leu Ser Leu
65 70

<210> 1227
<211> 114
<212> PRT
<213> Homo sapiens

<400> 1227
Met Ser Leu Tyr Leu Cys Val Ser Leu Leu Ile Ser Leu Ser Leu Ser
1 5 10 15
Leu Asn Val Ser Val Ser Val Ser Leu Arg Leu Cys Leu Tyr Phe Ser
20 25 30
Pro Pro Leu Ser Asp Ala Ile Ser Leu Cys Leu Ser Leu Ser Leu Ser
35 40 45
Val Ser Pro Phe Leu Ser Pro Ser Leu Ala Leu Cys Phe Leu Cys Leu
50 55 60
Cys Leu Phe Leu Ala Gln Ser Arg Ala Leu Gly Met Arg Thr Arg Val
65 70 75 80
Ser Gln Gly Trp Leu Gln Leu Asp Thr Ser Gly Ile Pro Ala Ser Pro
85 90 95
Gly Pro Ser Lys Gly Glu Arg Tyr Val Tyr Phe Arg Gly Gly Arg Gly

100

105

110

Cys Gly

<210> 1228

<211> 123

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1228

Met	Ala	Ala	Leu	Xaa	Thr	Val	Leu	Phe	Thr	Gly	Val	Arg	Arg	Leu	His
1				5					10					15	

Cys	Ser	Ala	Ala	Ala	Trp	Ala	Gly	Gly	Gln	Trp	Arg	Leu	Gln	Gln	Gly
			20					25					30		

Leu	Ala	Ala	Asn	Pro	Ser	Gly	Tyr	Gly	Pro	Leu	Thr	Glu	Leu	Pro	Asp
			35				40					45			

Trp	Ser	Tyr	Ala	Asp	Gly	Arg	Pro	Ala	Pro	Pro	Met	Lys	Gly	Gln	Leu
	50					55					60				

Arg	Arg	Lys	Ala	Glu	Arg	Glu	Thr	Phe	Ala	Arg	Arg	Val	Val	Leu	Leu
65					70					75					80

Ser	Gln	Glu	Met	Asp	Ala	Gly	Leu	Gln	Ala	Trp	Gln	Leu	Arg	Gln	Gln
				85					90					95	

Lys	Leu	Gln	Glu	Glu	Gln	Arg	Lys	Gln	Glu	Asn	Ala	Leu	Lys	Pro	Lys
			100					105					110		

Gly	Ala	Ser	Leu	Lys	Ser	Pro	Leu	Pro	Ser	Gln
	115						120			

<210> 1229

<211> 123

<212> PRT

<213> Homo sapiens

<400> 1229

Met	Ala	Ala	Leu	Val	Thr	Val	Leu	Phe	Thr	Gly	Val	Arg	Arg	Leu	His
1				5					10					15	

Cys	Ser	Ala	Ala	Ala	Trp	Ala	Gly	Gly	Gln	Trp	Arg	Leu	Gln	Gln	Gly
			20					25					30		

Leu	Ala	Ala	Asn	Pro	Ser	Gly	Tyr	Gly	Pro	Leu	Thr	Glu	Leu	Pro	Asp
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

	35		40		45										
Trp	Ser	Tyr	Ala	Asp	Gly	Arg	Pro	Ala	Pro	Pro	Met	Lys	Gly	Gln	Leu
	50					55					60				
Arg	Arg	Lys	Ala	Glu	Arg	Glu	Thr	Phe	Ala	Arg	Arg	Val	Val	Leu	Leu
65					70					75					80
Ser	Gln	Glu	Met	Asp	Ala	Gly	Leu	Gln	Ala	Trp	Gln	Leu	Arg	Gln	Gln
				85					90					95	
Lys	Leu	Gln	Glu	Glu	Gln	Arg	Lys	Gln	Glu	Asn	Ala	Leu	Lys	Pro	Lys
			100					105					110		
Gly	Ala	Ser	Leu	Lys	Ser	Pro	Leu	Pro	Ser	Gln					
	115						120								

<210> 1230
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 1230															
Met	Gly	Ser	Ala	Pro	Trp	Ala	Pro	Val	Leu	Leu	Leu	Ala	Leu	Gly	Leu
1				5					10					15	
Arg	Gly	Leu	Gln	Ala	Gly	Ala	Arg	Arg	Ala	Pro	Asp	Pro	Gly	Phe	Gln
			20					25					30		
Glu	Arg	Phe	Phe	Gln	Gln	Arg	Leu	Asp	His	Phe	Asn	Phe	Glu	Arg	Phe
		35					40					45			
Gly	Asn	Lys	Thr	Phe	Pro	Gln	Arg	Phe	Leu	Val	Ser	Asp	Arg	Phe	Trp
	50					55					60				
Val	Arg	Gly	Glu	Gly	Pro	Ile	Phe	Phe	Tyr	Thr	Gly	Asn	Glu	Gly	Asp
65					70					75					80
Val	Trp	Ala	Phe	Ala	Asn	Asn	Ser	Ala	Phe	Val	Ala	Glu	Leu	Ala	Ala
				85					90					95	
Glu	Arg	Gly	Ala	Leu	Leu	Val	Phe	Ala	Glu	His	Arg	Tyr	Tyr	Gly	Lys
			100					105					110		
Ser	Leu	Pro	Phe	Gly	Ala	Gln	Ser	Thr	Gln	Arg	Gly	Thr	Arg	Ser	Cys
		115					120					125			

<210> 1231
 <211> 492
 <212> PRT

<213> Homo sapiens

<400> 1231

Met	Gly	Ser	Ala	Pro	Trp	Ala	Pro	Val	Leu	Leu	Leu	Ala	Leu	Gly	Leu	
1				5					10					15		
Arg	Gly	Leu	Gln	Ala	Gly	Ala	Arg	Arg	Ala	Pro	Asp	Pro	Gly	Phe	Gln	
			20					25					30			
Glu	Arg	Phe	Phe	Gln	Gln	Arg	Leu	Asp	His	Phe	Asn	Phe	Glu	Arg	Phe	
		35					40					45				
Gly	Asn	Lys	Thr	Phe	Pro	Gln	Arg	Phe	Leu	Val	Ser	Asp	Arg	Phe	Trp	
	50					55					60					
Val	Arg	Gly	Glu	Gly	Pro	Ile	Phe	Phe	Tyr	Thr	Gly	Asn	Glu	Gly	Asp	
65					70					75					80	
Val	Trp	Ala	Phe	Ala	Asn	Asn	Ser	Ala	Phe	Val	Ala	Glu	Leu	Ala	Ala	
				85					90						95	
Glu	Arg	Gly	Ala	Leu	Leu	Val	Phe	Ala	Glu	His	Arg	Tyr	Tyr	Gly	Lys	
			100					105					110			
Ser	Leu	Pro	Phe	Gly	Ala	Gln	Ser	Thr	Gln	Arg	Gly	His	Thr	Glu	Leu	
		115					120					125				
Leu	Thr	Val	Glu	Gln	Ala	Leu	Ala	Asp	Phe	Ala	Glu	Leu	Leu	Arg	Ala	
	130					135					140					
Leu	Arg	Arg	Asp	Leu	Gly	Ala	Gln	Asp	Ala	Pro	Ala	Ile	Ala	Phe	Gly	
145					150					155					160	
Gly	Ser	Tyr	Gly	Gly	Met	Leu	Ser	Ala	Tyr	Leu	Arg	Met	Lys	Tyr	Pro	
				165					170					175		
His	Leu	Val	Ala	Gly	Ala	Leu	Ala	Ala	Ser	Ala	Pro	Val	Leu	Ala	Val	
			180					185					190			
Ala	Gly	Leu	Gly	Asp	Ser	Asn	Gln	Phe	Phe	Arg	Asp	Val	Thr	Ala	Asp	
		195					200					205				
Phe	Glu	Gly	Gln	Ser	Pro	Lys	Cys	Thr	Gln	Gly	Val	Arg	Glu	Ala	Phe	
	210					215					220					
Arg	Gln	Ile	Lys	Asp	Leu	Phe	Leu	Gln	Gly	Ala	Tyr	Asp	Thr	Val	Arg	
225					230					235					240	
Trp	Glu	Phe	Gly	Thr	Cys	Gln	Pro	Leu	Ser	Asp	Glu	Lys	Asp	Leu	Thr	
				245					250					255		
Gln	Leu	Phe	Met	Phe	Ala	Arg	Asn	Ala	Phe	Thr	Val	Leu	Ala	Met	Met	
			260					265					270			
Asp	Tyr	Pro	Tyr	Pro	Thr	Asp	Phe	Leu	Gly	Pro	Leu	Pro	Ala	Asn	Pro	
		275					280					285				

Glu	Arg	Phe	Phe	Gln	Gln	Arg	Leu	Asp	His	Phe	Asn	Phe	Glu	Arg	Phe		
		35					40					45					
Gly	Asn	Lys	Thr	Phe	Pro	Gln	Arg	Phe	Leu	Val	Ser	Asp	Arg	Phe	Trp		
	50					55					60						
Val	Arg	Gly	Glu	Gly	Pro	Ile	Phe	Phe	Tyr	Thr	Gly	Asn	Glu	Gly	Asp		
65					70					75					80		
Val	Trp	Ala	Phe	Ala	Asn	Asn	Ser	Xaa	Phe	Val	Ala	Glu	Leu	Ala	Ala		
				85					90					95			
Glu	Arg	Gly	Ala	Leu	Leu	Val	Phe	Ala	Glu	His	Arg	Tyr	Tyr	Gly	Lys		
			100					105					110				
Ser	Leu	Pro	Phe	Gly	Ala	Gln	Ser	Thr	Gln	Arg	Gly	His	Thr	Glu	Leu		
	115						120					125					
Leu	Thr	Val	Glu	Gln	Ala	Leu	Ala	Asp	Phe	Ala	Glu	Leu	Leu	Arg	Ala		
	130					135					140						
Leu	Arg	Arg	Asp	Leu	Gly	Ala	Gln	Asp	Ala	Pro	Ala	Ile	Ala	Phe	Gly		
145				150					155						160		
Gly	Ser	Tyr	Gly	Gly	Met	Leu	Ser	Ala	Tyr	Leu	Arg	Met	Lys	Tyr	Pro		
			165						170					175			
His	Leu	Val	Ala	Gly	Ala	Leu	Ala	Ala	Ser	Ala	Pro	Val	Leu	Ala	Val		
			180					185					190				
Ala	Gly	Leu	Gly	Asp	Ser	Asn	Gln	Phe	Phe	Arg	Asp	Val	Thr	Ala	Asp		
	195						200					205					
Phe	Glu	Gly	Gln	Ser	Pro	Lys	Cys	Thr	Gln	Gly	Val	Arg	Glu	Ala	Phe		
	210					215					220						
Arg	Gln	Ile	Lys	Asp	Leu	Phe	Leu	Gln	Gly	Ala	Tyr	Asp	Thr	Val	Arg		
225					230				235						240		
Trp	Glu	Phe	Gly	Thr	Cys	Gln	Pro	Leu	Ser	Asp	Glu	Lys	Asp	Leu	Thr		
			245					250						255			
Gln	Leu	Phe	Met	Phe	Ala	Arg	Asn	Ala	Phe	Thr	Val	Leu	Ala	Met	Met		
			260					265					270				
Asp	Tyr	Pro	Tyr	Pro	Thr	Asp	Phe	Leu	Gly	Pro	Leu	Pro	Ala	Asn	Pro		
	275						280					285					
Val	Lys	Val	Gly	Cys	Asp	Arg	Leu	Leu	Ser	Glu	Ala	Gln	Arg	Ile	Thr		
	290					295					300						
Gly	Leu	Arg	Ala	Leu	Ala	Gly	Leu	Val	Tyr	Asn	Ala	Ser	Gly	Ser	Glu		
305				310						315					320		
His	Cys	Tyr	Asp	Ile	Tyr	Arg	Leu	Tyr	His	Ser	Cys	Ala	Asp	Pro	Thr		
			325						330					335			

Gly Cys Gly Thr Gly Pro Asp Ala Arg Ala Trp Asp Tyr Gln Ala Cys
 340 345 350
 Thr Glu Ile Asn Leu Thr Phe Ala Ser Asn Asn Val Thr Asp Met Phe
 355 360 365
 Pro Asp Leu Pro Phe Thr Asp Glu Leu Arg Gln Arg Tyr Cys Leu Asp
 370 375 380
 Thr Trp Gly Val Trp Pro Arg Pro Asp Trp Leu Leu Thr Ser Phe Trp
 385 390 395 400
 Gly Gly Asp Leu Arg Ala Ala Ser Asn Ile Ile Phe Ser Asn Gly Asn
 405 410 415
 Leu Asp Pro Trp Ala Gly Gly Gly Ile Arg Arg Asn Leu Ser Ala Ser
 420 425 430
 Val Ile Ala Val Thr Ile Gln Gly Gly Ala His His Leu Asp Leu Arg
 435 440 445
 Ala Ser His Pro Glu Asp Pro Ala Ser Val Val Glu Ala Arg Lys Leu
 450 455 460
 Glu Ala Thr Ile Ile Gly Glu Trp Val Lys Ala Ala Arg Arg Glu Gln
 465 470 475 480
 Gln Pro Ala Leu Arg Gly Gly Pro Arg Leu Ser Leu
 485 490

<210> 1233
 <211> 184
 <212> PRT
 <213> Homo sapiens

<400> 1233
 Met Phe Leu Glu Leu Ser Gln Ala Leu Leu Leu Leu Gly Leu Pro Arg
 1 5 10 15
 Ala Pro Thr Leu Phe Pro Ala Leu Pro Glu Gly Pro Thr Ser Leu Gly
 20 25 30
 Glu Gln Trp Pro Pro Gln Leu Pro Pro His Leu Gly Ala Pro Pro Ala
 35 40 45
 Ala Glu Gly Ala Val Ala Met Val Gly Cys Gly Glu Gly Arg Gly Gly
 50 55 60
 Lys Pro Leu Cys Cys Ser Pro Ala Gln Ser Pro Ala Gln Arg Val Arg
 65 70 75 80
 Ser Gly Gly Asp Lys Glu Pro Ile Thr Thr Thr Glu Val Ser Leu Ile
 85 90 95

Leu Leu His Ser Arg Cys Phe Asn Leu Thr Lys Leu Lys Lys Thr Ala
 100 105 110
 Phe Ala Met Ala His Arg Ser Leu Tyr Leu Phe Leu Arg Lys Cys Phe
 115 120 125
 Leu Leu Phe Ala Gly Gln Val Pro Lys Asn Arg Gln Met Phe Leu Leu
 130 135 140
 Lys Asp Gln Pro Ile Arg Leu Val Arg Thr Arg Arg Leu Trp Pro Arg
 145 150 155 160
 Ala Ser Pro Leu Gln Ala Cys Gly Leu Arg Trp His Leu Ala Ala Gly
 165 170 175
 Pro Gln Pro Gly Glu Gly Tyr Tyr
 180

<210> 1234
 <211> 130
 <212> PRT
 <213> Homo sapiens

<400> 1234

Met Phe Leu Glu Leu Ser Gln Ala Leu Leu Leu Leu Gly Leu Pro Arg
 1 5 10 15
 Ala Pro Thr Leu Phe Pro Ala Leu Pro Glu Gly Pro Thr Ser Leu Gly
 20 25 30
 Glu Gln Trp Pro Pro Gln Leu Pro Pro His Leu Gly Ala Pro Pro Ala
 35 40 45
 Ala Glu Gly Ala Val Ala Met Val Gly Cys Gly Glu Gly Arg Gly Gly
 50 55 60
 Lys Pro Leu Cys Cys Ser Pro Ala Gln Ser Pro Ala Gln Arg Val Arg
 65 70 75 80
 Ser Gly Gly Asp Lys Glu Pro Ile Thr Thr Thr Glu Val Ser Leu Ile
 85 90 95
 Leu Leu His Ser Arg Cys Phe Asn Leu Thr Lys Leu Lys Lys Thr Ala
 100 105 110
 Phe Ala Met Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 115 120 125
 Lys Lys
 130

<210> 1235
 <211> 133

Ser	Leu	Gln	Leu	Ser	Thr	Leu	Glu	Met	Asp	Asp	Arg	Ser	His	Tyr	Thr	100	105	110	
Cys	Glu	Val	Thr	Trp	Gln	Thr	Pro	Asp	Gly	Asn	Gln	Val	Val	Arg	Asp	115	120	125	
Lys	Ile	Thr	Glu	Leu	Arg	Val	Gln	Lys	Leu	Ser	Val	Ser	Lys	Pro	Thr	130	135	140	
Val	Thr	Thr	Gly	Ser	Gly	Tyr	Gly	Phe	Thr	Val	Pro	Gln	Gly	Met	Arg	145	150	155	160
Ile	Ser	Leu	Gln	Cys	Gln	Ala	Arg	Gly	Ser	Pro	Pro	Ile	Ser	Tyr	Ile	165	170	175	
Trp	Tyr	Lys	Gln	Gln	Thr	Asn	Asn	Gln	Glu	Pro	Ile	Lys	Val	Ala	Thr	180	185	190	
Leu	Ser	Thr	Leu	Leu	Phe	Lys	Pro	Ala	Val	Ile	Ala	Asp	Ser	Gly	Ser	195	200	205	
Tyr	Phe	Cys	Thr	Ala	Lys	Gly	Gln	Val	Gly	Ser	Glu	Gln	His	Ser	Asp	210	215	220	
Ile	Val	Lys	Phe	Val	Val	Lys	Asp	Ser	Ser	Lys	Leu	Leu	Lys	Thr	Lys	225	230	235	240
Thr	Glu	Ala	Pro	Thr	Thr	Met	Thr	Tyr	Pro	Leu	Lys	Ala	Thr	Ser	Thr	245	250	255	
Val	Lys	Gln	Ser	Trp	Asp	Trp	Thr	Thr	Asp	Met	Asp	Gly	Tyr	Leu	Gly	260	265	270	
Glu	Thr	Ser	Ala	Gly	Pro	Gly	Lys	Ser	Leu	Pro	Val	Phe	Ala	Ile	Ile	275	280	285	
Leu	Ile	Ile	Ser	Leu	Cys	Cys	Met	Val	Val	Phe	Thr	Met	Ala	Tyr	Ile	290	295	300	
Met	Leu	Cys	Arg	Lys	Thr	Ser	Gln	Gln	Glu	His	Val	Tyr	Glu	Ala	Ala	305	310	315	320
Arg	Ala	His	Ala	Arg	Glu	Ala	Asn	Asp	Ser	Gly	Glu	Thr	Met	Arg	Val	325	330	335	
Ala	Ile	Phe	Ala	Ser	Gly	Cys	Ser	Ser	Asp	Glu	Pro	Thr	Ser	Gln	Asn	340	345	350	
Leu	Gly	Asn	Asn	Tyr	Ser	Asp	Glu	Pro	Cys	Ile	Gly	Gln	Glu	Tyr	Gln	355	360	365	
Ile	Ile	Ala	Gln	Ile	Asn	Gly	Asn	Tyr	Ala	Arg	Leu	Leu	Asp	Thr	Val	370	375	380	
Pro	Leu	Asp	Tyr	Glu	Phe	Leu	Ala	Thr	Glu	Gly	Lys	Ser	Val	Cys		385	390	395	

<210> 1237
<211> 399
<212> PRT
<213> Homo sapiens

<400> 1237

Met	Gly	Ile	Leu	Leu	Gly	Leu	Leu	Leu	Leu	Gly	His	Leu	Thr	Val	Asp	
1				5					10					15		
Thr	Tyr	Gly	Arg	Pro	Ile	Leu	Glu	Val	Pro	Glu	Ser	Val	Thr	Gly	Pro	
			20					25					30			
Trp	Lys	Gly	Asp	Val	Asn	Leu	Pro	Cys	Thr	Tyr	Asp	Pro	Leu	Gln	Gly	
		35					40					45				
Tyr	Thr	Gln	Val	Leu	Val	Lys	Trp	Leu	Val	Gln	Arg	Gly	Ser	Asp	Pro	
	50					55					60					
Val	Thr	Ile	Phe	Leu	Arg	Asp	Ser	Ser	Gly	Asp	His	Ile	Gln	Gln	Ala	
65					70					75					80	
Lys	Tyr	Gln	Gly	Arg	Leu	His	Val	Ser	His	Lys	Val	Pro	Gly	Asp	Val	
				85					90					95		
Ser	Leu	Gln	Leu	Ser	Thr	Leu	Glu	Met	Asp	Asp	Arg	Ser	His	Tyr	Thr	
			100					105					110			
Cys	Glu	Val	Thr	Trp	Gln	Thr	Pro	Asp	Gly	Asn	Gln	Val	Val	Arg	Asp	
		115					120					125				
Lys	Ile	Thr	Glu	Leu	Arg	Val	Gln	Lys	Leu	Ser	Val	Ser	Lys	Pro	Thr	
	130					135					140					
Val	Thr	Thr	Gly	Ser	Gly	Tyr	Gly	Phe	Thr	Val	Pro	Gln	Gly	Met	Arg	
145					150					155				160		
Ile	Ser	Leu	Gln	Cys	Gln	Ala	Arg	Gly	Ser	Pro	Pro	Ile	Ser	Tyr	Ile	
			165						170					175		
Trp	Tyr	Lys	Gln	Gln	Thr	Asn	Asn	Gln	Glu	Pro	Ile	Lys	Val	Ala	Thr	
			180					185					190			
Leu	Ser	Thr	Leu	Leu	Phe	Lys	Pro	Ala	Val	Ile	Ala	Asp	Ser	Gly	Ser	
		195					200					205				
Tyr	Phe	Cys	Thr	Ala	Lys	Gly	Gln	Val	Gly	Ser	Glu	Gln	His	Ser	Asp	
	210					215					220					
Ile	Val	Lys	Phe	Val	Val	Lys	Asp	Ser	Ser	Lys	Leu	Leu	Lys	Thr	Lys	
225					230					235					240	
Thr	Glu	Ala	Pro	Thr	Thr	Met	Thr	Tyr	Pro	Leu	Lys	Ala	Thr	Ser	Thr	
			245						250					255		
Val	Lys	Gln	Ser	Trp	Asp	Trp	Thr	Thr	Asp	Met	Asp	Gly	Tyr	Leu	Gly	

260					265					270						
Glu	Thr	Ser	Ala	Gly	Pro	Gly	Lys	Ser	Leu	Pro	Val	Phe	Ala	Ile	Ile	
275					280					285						
Leu	Ile	Ile	Ser	Leu	Cys	Cys	Met	Val	Val	Phe	Thr	Met	Ala	Tyr	Ile	
290					295					300						
Met	Leu	Cys	Arg	Lys	Thr	Ser	Gln	Gln	Glu	His	Val	Tyr	Glu	Ala	Ala	
305					310					315					320	
Arg	Ala	His	Ala	Arg	Glu	Ala	Asn	Asp	Ser	Gly	Glu	Thr	Met	Arg	Val	
325					330					335						
Ala	Ile	Phe	Ala	Ser	Gly	Cys	Ser	Ser	Asp	Glu	Pro	Thr	Ser	Gln	Asn	
340					345					350						
Leu	Gly	Asn	Asn	Tyr	Ser	Asp	Glu	Pro	Cys	Ile	Gly	Gln	Glu	Tyr	Gln	
355					360					365						
Ile	Ile	Ala	Gln	Ile	Asn	Gly	Asn	Tyr	Ala	Arg	Leu	Leu	Asp	Thr	Val	
370					375					380						
Pro	Leu	Asp	Tyr	Glu	Phe	Leu	Ala	Thr	Glu	Gly	Lys	Ser	Val	Cys		
385					390					395						

<210> 1238
 <211> 209
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (128)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (147)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (152)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1238

Met Ala Lys Phe Arg Arg Arg Thr Cys Ile Ile Leu Ala Leu Xaa Ile
1 5 10 15

Leu Xaa Ile Phe Ser Leu Met Met Gly Leu Lys Met Leu Arg Pro Asn
20 25 30

Thr Ala Thr Phe Gly Ala Pro Phe Gly Leu Asp Leu Leu Pro Glu Leu
35 40 45

His Gln Arg Thr Ile His Leu Gly Lys Asn Phe Asp Phe Gln Lys Ser
50 55 60

Asp Arg Ile Asn Ser Glu Thr Asn Thr Lys Asn Leu Lys Ser Val Glu
65 70 75 80

Ile Thr Met Lys Pro Ser Lys Ala Ser Glu Leu Asn Leu Asp Glu Leu
85 90 95

Pro Pro Leu Asn Asn Tyr Leu His Val Phe Tyr Tyr Ser Trp Tyr Gly
100 105 110

Asn Pro Gln Phe Asp Gly Lys Tyr Ile His Trp Asn His Pro Val Xaa
115 120 125

Glu His Trp Asp Pro Arg Ile Ala Lys Asn Tyr Pro Gln Gly Arg His
130 135 140

Asn Pro Xaa Asp Asp Ile Gly Xaa Ser Phe Tyr Pro Glu Leu Gly Ser
145 150 155 160

Tyr Ser Ser Arg Asp Pro Ser Val Ile Glu Thr His Met Arg Gln Met
165 170 175

Arg Ser Ala Ser Ile Gly Asn Tyr Cys Ile Tyr Ile Tyr Met Cys Val
180 185 190

Phe Val Ser Val Tyr Met His Ile Asn Asp Phe Leu Cys Asn Phe Asn
195 200 205

Ser

<210> 1239

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1239

Tyr Phe Asp Ile Ser Lys His Leu His Gly Asn His Tyr Ile Asp Pro
1 5 10 15

Thr Cys Gly Phe Ser Ser Tyr Val His Leu Thr Arg Ile Tyr Tyr Phe
20 25 30

Arg Tyr Asn Leu Gln Met Ser His Leu Ile Ile Phe Tyr Asn Ile Pro
35 40 45

Tyr Phe Ile Lys Val Leu Leu Glu Lys Tyr Leu Pro Gln Arg Ser Phe
50 55 60

Cys His Cys Val Arg Cys Val Phe Glu Pro Thr Met Thr Glu Ser Lys
65 70 75 80

Phe

<210> 1240
<211> 133
<212> PRT
<213> Homo sapiens

<400> 1240
Met Ala Lys Phe Arg Arg Arg Thr Cys Ile Ile Leu Ala Leu Phe Ile
1 5 10 15

Leu Phe Ile Phe Ser Leu Met Met Gly Leu Lys Met Leu Arg Pro Asn
20 25 30

Thr Ala Thr Phe Gly Ala Pro Phe Gly Leu Asp Leu Leu Pro Glu Leu
35 40 45

His Gln Arg Thr Ile His Leu Gly Lys Asn Phe Asp Phe Gln Lys Ser
50 55 60

Asp Arg Ile Asn Ser Glu Thr Asn Thr Lys Asn Leu Lys Ser Val Glu
65 70 75 80

Ile Thr Met Lys Pro Ser Lys Ala Ser Glu Leu Asn Leu Asp Glu Leu
85 90 95

Pro Pro Leu Asn Asn Tyr Leu His Val Phe Tyr Tyr Ser Trp Tyr Gly
100 105 110

Asn Pro Gln Phe Asp Gly Lys Tyr Ile His Trp Asn His Pro Val Leu
115 120 125

Glu His Trp Asp Pro
130

<210> 1241
<211> 886
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (216)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (234)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (275)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (871)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1241
Met Ala Ala Arg Gly Arg Gly Leu Leu Leu Leu Thr Leu Ser Val Leu
1 5 10 15
Leu Ala Ala Gly Pro Ser Ala Ala Ala Xaa Lys Leu Asn Ile Pro Lys
20 25 30
Val Leu Leu Pro Phe Thr Arg Ala Thr Arg Val Asn Phe Thr Leu Glu
35 40 45
Ala Ser Glu Gly Cys Tyr Arg Trp Leu Ser Thr Arg Pro Glu Val Ala
50 55 60
Ser Ile Glu Pro Leu Gly Leu Asp Glu Gln Gln Cys Ser Gln Lys Ala
65 70 75 80
Val Val Gln Ala Arg Leu Thr Gln Pro Ala Arg Leu Thr Ser Ile Ile
85 90 95
Phe Ala Glu Asp Ile Thr Thr Gly Gln Val Leu Arg Cys Asp Ala Ile
100 105 110
Val Asp Leu Ile His Asp Ile Gln Ile Val Ser Thr Thr Arg Glu Leu
115 120 125
Tyr Leu Glu Asp Ser Pro Leu Glu Leu Lys Ile Gln Ala Leu Asp Ser
130 135 140
Glu Gly Asn Thr Phe Ser Thr Leu Ala Gly Leu Val Phe Glu Trp Thr
145 150 155 160
Ile Val Lys Asp Ser Glu Ala Asp Arg Phe Ser Asp Ser His Asn Ala
165 170 175

Leu	Arg	Ile	Leu	Thr	Phe	Leu	Glu	Ser	Thr	Tyr	Ile	Pro	Pro	Ser	Tyr		
			180					185					190				
Ile	Ser	Glu	Met	Glu	Lys	Ala	Ala	Lys	Gln	Gly	Asp	Thr	Ile	Leu	Val		
		195					200					205					
Ser	Gly	Met	Lys	Thr	Gly	Ser	Xaa	Lys	Leu	Lys	Ala	Arg	Ile	Gln	Glu		
	210					215					220						
Ala	Val	Tyr	Lys	Asn	Val	Arg	Pro	Ala	Xaa	Val	Arg	Leu	Leu	Ile	Leu		
225					230					235						240	
Glu	Asn	Ile	Leu	Leu	Asn	Pro	Ala	Tyr	Asp	Val	Tyr	Leu	Met	Val	Gly		
			245						250					255			
Thr	Ser	Ile	His	Tyr	Lys	Val	Gln	Lys	Ile	Arg	Gln	Gly	Lys	Ile	Thr		
			260					265					270				
Glu	Leu	Xaa	Met	Pro	Ser	Asp	Gln	Tyr	Glu	Leu	Gln	Leu	Gln	Asn	Ser		
		275					280					285					
Ile	Pro	Gly	Pro	Glu	Gly	Asp	Pro	Thr	Arg	Pro	Val	Ala	Val	Leu	Ala		
	290					295					300						
Gln	Asp	Thr	Ser	Met	Val	Thr	Ala	Leu	Gln	Leu	Gly	Gln	Ser	Ser	Leu		
305					310					315					320		
Val	Leu	Gly	His	Arg	Ser	Ile	Arg	Met	Gln	Gly	Ala	Ser	Arg	Leu	Pro		
				325					330					335			
Asn	Ser	Thr	Ile	Tyr	Val	Val	Glu	Pro	Gly	Tyr	Leu	Gly	Phe	Thr	Val		
			340					345					350				
His	Pro	Gly	Asp	Arg	Trp	Val	Leu	Glu	Thr	Gly	Arg	Leu	Tyr	Glu	Ile		
		355					360					365					
Thr	Ile	Glu	Val	Phe	Asp	Lys	Phe	Ser	Asn	Lys	Val	Tyr	Val	Ser	Asp		
	370					375					380						
Asn	Ile	Arg	Ile	Glu	Thr	Val	Leu	Pro	Ala	Glu	Phe	Phe	Glu	Val	Leu		
385					390					395					400		
Ser	Ser	Ser	Gln	Asn	Gly	Ser	Tyr	His	Arg	Ile	Arg	Ala	Leu	Lys	Arg		
				405					410					415			
Gly	Gln	Thr	Ala	Ile	Asp	Ala	Ala	Leu	Thr	Ser	Val	Val	Asp	Gln	Asp		
			420					425					430				
Gly	Gly	Val	His	Ile	Leu	Gln	Val	Pro	Val	Trp	Asn	Gln	Gln	Glu	Val		
		435					440					445					
Glu	Ile	His	Ile	Pro	Ile	Thr	Leu	Tyr	Pro	Ser	Ile	Leu	Thr	Phe	Pro		
	450					455					460						
Trp	Gln	Pro	Lys	Thr	Gly	Ala	Tyr	Gln	Tyr	Thr	Ile	Arg	Ala	His	Gly		
465					470					475					480		

Gly	Ser	Gly	Asn	Phe	Ser	Trp	Ser	Ser	Ser	Ser	His	Leu	Val	Ala	Thr	
				485					490					495		
Val	Thr	Val	Lys	Gly	Val	Met	Thr	Thr	Gly	Ser	Asp	Ile	Gly	Phe	Ser	
			500					505					510			
Val	Ile	Gln	Ala	His	Asp	Val	Gln	Asn	Pro	Leu	His	Phe	Gly	Glu	Met	
		515					520					525				
Lys	Val	Tyr	Val	Ile	Glu	Pro	His	Ser	Met	Glu	Phe	Ala	Pro	Cys	Gln	
	530					535					540					
Val	Glu	Ala	Arg	Val	Gly	Gln	Ala	Leu	Glu	Leu	Pro	Leu	Arg	Ile	Ser	
545					550					555					560	
Gly	Leu	Met	Pro	Gly	Gly	Ala	Ser	Glu	Val	Val	Thr	Leu	Ser	Asp	Cys	
				565					570					575		
Ser	His	Phe	Asp	Leu	Ala	Val	Glu	Val	Glu	Asn	Gln	Gly	Val	Phe	Gln	
			580					585					590			
Pro	Leu	Pro	Gly	Arg	Leu	Pro	Pro	Gly	Ser	Glu	His	Cys	Ser	Gly	Val	
		595					600					605				
Arg	Val	Lys	Ala	Glu	Ala	Gln	Gly	Ser	Thr	Thr	Leu	Leu	Val	Ser	Tyr	
	610					615					620					
Arg	His	Gly	His	Val	His	Leu	Ser	Ala	Lys	Ile	Thr	Ile	Ala	Ala	Tyr	
625					630					635					640	
Leu	Pro	Leu	Lys	Ala	Val	Asp	Pro	Ser	Ser	Val	Ala	Leu	Val	Thr	Leu	
				645					650					655		
Gly	Ser	Ser	Lys	Glu	Met	Leu	Phe	Glu	Gly	Gly	Pro	Arg	Pro	Trp	Ile	
			660					665					670			
Leu	Glu	Pro	Ser	Lys	Phe	Phe	Gln	Asn	Val	Thr	Ala	Glu	Asp	Thr	Asp	
		675					680					685				
Ser	Ile	Gly	Leu	Ala	Leu	Phe	Ala	Pro	His	Ser	Ser	Arg	Asn	Tyr	Gln	
	690					695					700					
Gln	His	Trp	Ile	Leu	Val	Thr	Cys	Gln	Ala	Leu	Gly	Glu	Gln	Val	Ile	
705					710					715					720	
Ala	Leu	Ser	Val	Gly	Asn	Lys	Pro	Ser	Leu	Thr	Asn	Pro	Phe	Pro	Ala	
				725					730					735		
Val	Glu	Pro	Ala	Val	Val	Lys	Phe	Val	Cys	Ala	Pro	Pro	Ser	Arg	Leu	
			740					745					750			
Thr	Leu	Val	Pro	Val	Tyr	Thr	Ser	Pro	Gln	Leu	Asp	Met	Ser	Cys	Pro	
		755					760					765				
Leu	Leu	Gln	Gln	Asn	Lys	Gln	Val	Val	Pro	Val	Ser	Ser	His	Arg	Asn	
	770					775					780					

Pro Leu Leu Asp Leu Ala Ala Tyr Asp Gln Glu Gly Arg Arg Phe Asp
 785 790 795 800
 Asn Phe Ser Ser Leu Ser Ile Gln Trp Glu Ser Thr Arg Pro Val Leu
 805 810 815
 Ala Ser Ile Glu Pro Glu Leu Pro Met Gln Leu Val Ser Gln Asp Asp
 820 825 830
 Glu Ser Gly Gln Lys Lys Leu His Gly Leu Gln Ala Ile Leu Val His
 835 840 845
 Glu Ala Ser Gly Thr Thr Ala Ser Leu Pro Leu Pro Leu Ala Thr Arg
 850 855 860
 Ser Pro Thr Ser Ala Leu Xaa Glu Gln Ser Ser Arg Met Thr Leu Trp
 865 870 875 880
 Cys Leu Cys Arg Pro Pro
 885

<210> 1242
 <211> 831
 <212> PRT
 <213> Homo sapiens

<400> 1242
 Met Ala Ala Arg Gly Arg Gly Leu Leu Leu Leu Thr Leu Ser Val Leu
 1 5 10 15
 Leu Ala Ala Gly Pro Ser Ala Ala Ala Lys Leu Asn Ile Pro Lys
 20 25 30
 Val Leu Leu Pro Phe Thr Arg Ala Thr Arg Val Asn Phe Thr Leu Glu
 35 40 45
 Ala Ser Glu Gly Cys Tyr Arg Trp Leu Ser Thr Arg Pro Glu Val Ala
 50 55 60
 Ser Ile Glu Pro Leu Gly Leu Asp Glu Gln Gln Cys Ser Gln Lys Ala
 65 70 75 80
 Val Val Gln Ala Arg Leu Thr Gln Pro Ala Arg Leu Thr Ser Ile Ile
 85 90 95
 Phe Ala Glu Asp Ile Thr Thr Gly Gln Val Leu Arg Cys Asp Ala Ile
 100 105 110
 Val Asp Leu Ile His Asp Ile Gln Ile Val Ser Thr Thr Arg Glu Leu
 115 120 125
 Tyr Leu Glu Asp Ser Pro Leu Glu Leu Lys Ile Gln Ala Leu Asp Ser
 130 135 140
 Glu Gly Asn Thr Phe Ser Thr Leu Ala Gly Leu Val Phe Glu Trp Thr

145		150		155		160
Ile Val Lys Asp Ser Glu Ala Asp Arg Phe Ser Asp Ser His Asn Ala						
		165		170		175
Leu Arg Ile Leu Thr Phe Leu Glu Ser Thr Tyr Ile Pro Pro Ser Tyr						
		180		185		190
Ile Ser Glu Met Glu Lys Ala Ala Lys Gln Gly Asp Thr Ile Leu Val						
		195		200		205
Ser Gly Met Lys Thr Gly Ser Ser Lys Leu Lys Ala Arg Ile Gln Glu						
		210		215		220
Ala Val Tyr Lys Asn Val Arg Pro Ala Glu Val Arg Leu Leu Ile Leu						
		225		230		235
Glu Asn Ile Leu Leu Asn Pro Ala Tyr Asp Val Tyr Leu Met Val Gly						
		245		250		255
Thr Ser Ile His Tyr Lys Val Gln Lys Ile Arg Gln Gly Lys Ile Thr						
		260		265		270
Glu Leu Ser Met Pro Ser Asp Gln Tyr Glu Leu Gln Leu Gln Asn Ser						
		275		280		285
Ile Pro Gly Pro Glu Gly Asp Pro Thr Arg Pro Val Ala Val Leu Ala						
		290		295		300
Gln Asp Thr Ser Met Val Thr Ala Leu Gln Leu Gly Gln Ser Ser Leu						
		305		310		315
Val Leu Gly His Arg Ser Ile Arg Met Gln Gly Ala Ser Arg Leu Pro						
		325		330		335
Asn Ser Thr Ile Tyr Val Val Glu Pro Gly Tyr Leu Gly Phe Thr Val						
		340		345		350
His Pro Gly Asp Arg Trp Val Leu Glu Thr Gly Arg Leu Tyr Glu Ile						
		355		360		365
Thr Ile Glu Val Phe Asp Lys Phe Ser Asn Lys Val Tyr Val Ser Asp						
		370		375		380
Asn Ile Arg Ile Glu Thr Val Leu Pro Ala Glu Phe Phe Glu Val Leu						
		385		390		395
Ser Ser Ser Gln Asn Gly Ser Tyr His Arg Ile Arg Ala Leu Lys Arg						
		405		410		415
Gly Gln Thr Ala Ile Asp Ala Ala Leu Thr Ser Val Val Asp Gln Asp						
		420		425		430
Gly Gly Val His Ile Leu Gln Val Pro Val Trp Asn Gln Gln Glu Val						
		435		440		445
Glu Ile His Ile Pro Ile Thr Leu Tyr Pro Ser Ile Leu Thr Phe Pro						

450						455						460				
Trp	Gln	Pro	Lys	Thr	Gly	Ala	Tyr	Gln	Tyr	Thr	Ile	Arg	Ala	His	Gly	
465					470					475					480	
Gly	Ser	Gly	Asn	Phe	Ser	Trp	Ser	Ser	Ser	Ser	His	Leu	Val	Ala	Thr	
				485					490					495		
Val	Thr	Val	Lys	Gly	Val	Met	Thr	Thr	Gly	Ser	Asp	Ile	Gly	Phe	Ser	
			500					505					510			
Val	Ile	Gln	Ala	His	Asp	Val	Gln	Asn	Pro	Leu	His	Phe	Gly	Glu	Met	
		515					520					525				
Lys	Val	Tyr	Val	Ile	Glu	Pro	His	Ser	Met	Glu	Phe	Ala	Pro	Cys	Gln	
	530					535					540					
Val	Glu	Ala	Arg	Val	Gly	Gln	Ala	Leu	Glu	Leu	Pro	Leu	Arg	Ile	Ser	
545					550					555					560	
Gly	Leu	Met	Pro	Gly	Gly	Ala	Ser	Glu	Val	Val	Thr	Leu	Ser	Asp	Cys	
				565					570					575		
Ser	His	Phe	Asp	Leu	Ala	Val	Glu	Val	Glu	Asn	Gln	Gly	Val	Phe	Gln	
			580					585					590			
Pro	Leu	Pro	Gly	Arg	Leu	Pro	Pro	Gly	Ser	Glu	His	Cys	Ser	Gly	Val	
		595					600					605				
Arg	Val	Lys	Ala	Glu	Ala	Gln	Gly	Ser	Thr	Thr	Leu	Leu	Val	Ser	Tyr	
	610					615					620					
Arg	His	Gly	His	Val	His	Leu	Ser	Ala	Lys	Ile	Thr	Ile	Ala	Ala	Tyr	
625					630					635					640	
Leu	Pro	Leu	Lys	Ala	Val	Asp	Pro	Ser	Ser	Val	Ala	Leu	Val	Thr	Leu	
				645					650					655		
Gly	Ser	Ser	Lys	Glu	Met	Leu	Phe	Glu	Gly	Gly	Pro	Arg	Pro	Trp	Ile	
			660					665					670			
Leu	Glu	Pro	Ser	Lys	Phe	Phe	Gln	Asn	Val	Thr	Ala	Glu	Asp	Thr	Asp	
		675					680					685				
Ser	Ile	Gly	Leu	Ala	Leu	Phe	Ala	Pro	His	Ser	Ser	Arg	Asn	Tyr	Gln	
	690					695					700					
Gln	His	Trp	Ile	Leu	Val	Thr	Cys	Gln	Ala	Leu	Gly	Glu	Gln	Val	Ile	
705					710					715					720	
Ala	Leu	Ser	Val	Gly	Asn	Lys	Pro	Ser	Leu	Thr	Asn	Pro	Phe	Pro	Ala	
				725					730					735		
Val	Glu	Pro	Ala	Val	Val	Lys	Phe	Val	Cys	Ala	Pro	Pro	Ser	Arg	Leu	
			740					745					750			
Thr	Leu	Val	Pro	Val	Tyr	Thr	Ser	Pro	Gln	Leu	Asp	Met	Ser	Cys	Pro	

755															
Leu	Leu	Gln	Gln	Asn	Lys	Gln	Val	Val	Pro	Val	Ser	Ser	His	Arg	Asn
770						775					780				
Pro	Leu	Leu	Asp	Leu	Ala	Ala	Tyr	Asp	Gln	Glu	Gly	Arg	Arg	Phe	Asp
785					790					795					800
Asn	Phe	Ser	Ser	Leu	Ser	Ile	Gln	Trp	Glu	Ser	Thr	Arg	Pro	Val	Leu
				805					810					815	
Ala	Ala	Ser	Ser	Leu	Ser	Cys	His	Ala	Ala	Gly	Val	Pro	Gly	Arg	
				820				825					830		

<210> 1243
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1243
 Met Pro Val Pro Leu Leu Ala Ser Ala Ala Trp Cys His Leu Cys Ala
 1 5 10 15
 Gly Ala Leu Pro Ala Trp Leu Trp Leu Pro Gly Gly Gln Leu Leu His
 20 25 30
 Asn Gly Thr Cys Val Pro Xaa Thr Ala Cys Pro Cys Thr Gln His Ser
 35 40 45
 Leu Pro Trp Gly Leu Thr Leu Thr Leu Glu Glu Gln Ala Gln Glu Leu
 50 55 60
 Xaa Pro Gly Thr Val Leu Thr Arg Asn Cys Thr Pro Leu Cys Leu Pro
 65 70 75 80
 Leu Trp Ser Leu Gln Leu Leu Pro Arg
 85

<210> 1244
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 1244

Ser Gly Trp Gln Val Pro Ser Ser Val Lys His Leu Pro Tyr Asp Asn
1 5 10 15

Leu Arg Ser His Cys Val Ala Asp Glu Gly Glu Thr Glu Val Glu Gly
20 25 30

Thr Arg Ala Thr Trp Val Glu His Ser Gly Arg Pro Gly Val Gly Ser
35 40 45

Gly Arg Pro Pro Gly Thr Ser Leu Thr Thr Leu Pro Leu Leu Leu Thr
50 55 60

His Leu Ser Leu Thr Cys Pro Leu Gly Gly Asp Phe Ser Lys Arg
65 70 75

<210> 1245

<211> 89

<212> PRT

<213> Homo sapiens

<400> 1245

Met Pro Val Pro Leu Leu Ala Ser Ala Ala Trp Cys His Leu Cys Ala
1 5 10 15

Gly Ala Leu Pro Ala Trp Leu Trp Leu Pro Trp Arg Ala Ala Ala Ala
20 25 30

Gln Trp His Val Cys Ala Ser His Cys Leu Pro Leu His Pro Ala Phe
35 40 45

Ser Ala Leu Gly Pro His Pro Asp Pro Gly Arg Ala Gly Pro Gly Ala
50 55 60

Ala Pro Arg Asp Cys Ala His Pro Glu Leu His Pro Leu Cys Leu Pro
65 70 75 80

Arg Trp Ser Leu Gln Leu Leu Pro Arg
85

<210> 1246

<211> 334

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (224)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1246

Met	Asp	Gln	Ala	Leu	Ser	Leu	Trp	Phe	Leu	Leu	Gly	Trp	Ile	Gly	Gly
1				5					10					15	

Asp	Ser	Cys	Asn	Leu	Ile	Gly	Ser	Phe	Leu	Ala	Asp	Gln	Leu	Pro	Leu
			20					25					30		

Gln	Thr	Tyr	Thr	Ala	Val	Tyr	Tyr	Val	Leu	Ala	Asp	Leu	Val	Met	Leu
		35					40					45			

Thr	Leu	Tyr	Phe	Tyr	Tyr	Lys	Phe	Arg	Thr	Arg	Pro	Ser	Leu	Leu	Ser
	50					55					60				

Ala	Pro	Ile	Asn	Ser	Val	Leu	Leu	Phe	Leu	Met	Gly	Met	Ala	Cys	Ala
65					70					75					80

Thr	Pro	Leu	Leu	Ser	Ala	Ala	Gly	Pro	Val	Ala	Ala	Pro	Arg	Glu	Ala
				85					90					95	

Phe	Arg	Gly	Arg	Ala	Leu	Leu	Ser	Val	Glu	Ser	Gly	Ser	Lys	Pro	Phe
		100						105					110		

Thr	Arg	Gln	Glu	Val	Ile	Gly	Phe	Val	Ile	Gly	Xaa	Ile	Ser	Ser	Val
		115					120					125			

Xaa	Tyr	Leu	Leu	Ser	Arg	Leu	Pro	Gln	Ile	Arg	Thr	Asn	Phe	Leu	Arg
	130					135					140				

Lys	Ser	Thr	Gln	Gly	Ile	Ser	Tyr	Ser	Leu	Phe	Ala	Leu	Val	Met	Leu
145					150					155					160

Gly	Asn	Thr	Leu	Tyr	Gly	Leu	Ser	Val	Leu	Leu	Lys	Asn	Pro	Glu	Glu
			165						170					175	

Gly	Gln	Ser	Glu	Gly	Ser	Tyr	Leu	Leu	His	His	Leu	Pro	Trp	Leu	Val
		180						185					190		

Gly	Ser	Leu	Gly	Val	Leu	Leu	Leu	Asp	Thr	Ile	Ile	Ser	Ile	Gln	Phe
		195					200					205			

Leu	Val	Tyr	Arg	Arg	Xaa	Pro	Pro	Pro	Arg	Ser	Leu	Ser	Pro	Ser	Xaa
	210					215					220				

Pro	Ala	Asp	Gln	Asn	Gln	Ala	Glu	Arg	Arg	Arg	Thr	Gly	Thr	Thr	Gly
225					230					235					240

Cys	His	Thr	Arg	Gln	Glu	Glu	Val	Trp	Thr	Val	Met	Val	Arg	Arg	Pro
				245					250					255	
Cys	Ile	Ser	Leu	Arg	Val	Ala	Ser	Gly	Ser	Ser	Val	Asp	Arg	Thr	Val
			260					265					270		
Pro	Pro	Gly	Thr	His	Leu	Gln	Val	Asp	Pro	Glu	Ala	Ser	Arg	Pro	Gly
		275					280					285			
Leu	Glu	Arg	Arg	Pro	Gln	Gly	Leu	Ser	Gly	Asp	Ser	Glu	Ala	Ala	Pro
	290					295					300				
Pro	Thr	Thr	Tyr	Leu	Ile	Leu	Pro	Thr	Gln	Asp	Cys	Pro	Val	Asn	Ser
305					310					315					320
Arg	Gln	Leu	Asn	Lys	Gln	Ala	Gly	Tyr	Ser	Gly	Ser	His	Leu		
				325					330						

<210> 1247
 <211> 226
 <212> PRT
 <213> Homo sapiens

<400> 1247															
Met	Asp	Gln	Ala	Leu	Ser	Leu	Trp	Phe	Leu	Leu	Gly	Trp	Ile	Gly	Gly
1				5					10					15	
Asp	Ser	Cys	Asn	Leu	Ile	Gly	Ser	Phe	Leu	Ala	Asp	Gln	Leu	Pro	Leu
			20					25					30		
Gln	Thr	Tyr	Thr	Ala	Val	Tyr	Tyr	Val	Leu	Ala	Asp	Leu	Val	Met	Leu
		35					40					45			
Thr	Leu	Tyr	Phe	Tyr	Tyr	Lys	Phe	Arg	Thr	Arg	Pro	Ser	Leu	Leu	Ser
	50					55					60				
Ala	Pro	Ile	Asn	Ser	Val	Leu	Leu	Phe	Leu	Met	Gly	Met	Ala	Cys	Ala
65					70					75					80
Thr	Pro	Leu	Leu	Ser	Ala	Ala	Gly	Pro	Val	Ala	Ala	Pro	Arg	Glu	Ala
				85					90					95	
Phe	Arg	Gly	Arg	Ala	Leu	Leu	Ser	Val	Glu	Ser	Gly	Ser	Lys	Pro	Phe
		100						105					110		
Thr	Arg	Gln	Glu	Val	Ile	Gly	Phe	Val	Ile	Gly	Ser	Ile	Ser	Ser	Val
		115					120					125			
Leu	Tyr	Leu	Leu	Ser	Arg	Leu	Pro	Gln	Ile	Arg	Thr	Asn	Phe	Leu	Arg
	130					135					140				
Lys	Ser	Thr	Gln	Gly	Ile	Ser	Tyr	Ser	Leu	Phe	Ala	Leu	Val	Met	Leu
145					150					155					160

Gly Asn Thr Leu Tyr Gly Leu Ser Val Leu Leu Lys Asn Pro Glu Glu
165 170 175

Gly Gln Ser Glu Gly Ser Tyr Leu Leu His His Leu Pro Trp Leu Val
180 185 190

Gly Ser Leu Gly Val Leu Leu Leu Asp Thr Ile Ile Ser Ile Gln Phe
195 200 205

Leu Val Tyr Arg Arg Ser Thr Ala Ala Ser Glu Leu Glu Pro Leu Leu
210 215 220

Pro Ser
225

<210> 1248
<211> 184
<212> PRT
<213> Homo sapiens

<400> 1248
Met Lys Ile Leu Val Ala Phe Leu Val Val Leu Thr Ile Phe Gly Ile
1 5 10 15

Gln Ser His Gly Tyr Glu Val Phe Asn Ile Ile Ser Pro Ser Asn Asn
20 25 30

Gly Gly Asn Val Gln Glu Thr Val Thr Ile Asp Asn Glu Lys Asn Thr
35 40 45

Ala Ile Ile Asn Ile His Ala Gly Ser Cys Ser Ser Thr Thr Ile Phe
50 55 60

Asp Tyr Lys His Gly Tyr Ile Ala Ser Arg Val Leu Ser Arg Arg Ala
65 70 75 80

Cys Phe Ile Leu Lys Met Asp His Gln Asn Ile Pro Pro Leu Asn Asn
85 90 95

Leu Gln Trp Tyr Ile Tyr Glu Lys Gln Ala Leu Asp Asn Met Phe Ser
100 105 110

Ser Lys Tyr Thr Trp Val Lys Tyr Asn Pro Leu Glu Ser Leu Ile Lys
115 120 125

Asp Val Asp Trp Phe Leu Leu Gly Ser Pro Ile Glu Lys Leu Cys Lys
130 135 140

His Ile Pro Leu Tyr Lys Gly Glu Val Val Glu Asn Thr His Asn Val
145 150 155 160

Gly Ala Gly Gly Cys Ala Lys Ala Gly Leu Leu Gly Ile Leu Gly Ile
165 170 175

Ser Ile Cys Ala Asp Ile His Val

180

<210> 1249
<211> 184
<212> PRT
<213> Homo sapiens

<400> 1249
Met Lys Ile Leu Val Ala Phe Leu Val Val Leu Thr Ile Phe Gly Ile
1 5 10 15
Gln Ser His Gly Tyr Glu Val Phe Asn Ile Ile Ser Pro Ser Asn Asn
20 25 30
Gly Gly Asn Val Gln Glu Thr Val Thr Ile Asp Asn Glu Lys Asn Thr
35 40 45
Ala Ile Ile Asn Ile His Ala Gly Ser Cys Ser Ser Thr Thr Ile Phe
50 55 60
Asp Tyr Lys His Gly Tyr Ile Ala Ser Arg Val Leu Ser Arg Arg Ala
65 70 75 80
Cys Phe Ile Leu Lys Met Asp His Gln Asn Ile Pro Pro Leu Asn Asn
85 90 95
Leu Gln Trp Tyr Ile Tyr Glu Lys Gln Ala Leu Asp Asn Met Phe Ser
100 105 110
Ser Lys Tyr Thr Trp Val Lys Tyr Asn Pro Leu Glu Ser Leu Ile Lys
115 120 125
Asp Val Asp Trp Phe Leu Leu Gly Ser Pro Ile Glu Lys Leu Cys Lys
130 135 140
His Ile Pro Leu Tyr Lys Gly Glu Val Val Glu Asn Thr His Asn Val
145 150 155 160
Gly Ala Gly Gly Cys Ala Lys Ala Gly Leu Leu Gly Ile Leu Gly Ile
165 170 175
Ser Ile Cys Ala Asp Ile His Val
180

<210> 1250
<211> 173
<212> PRT
<213> Homo sapiens

<400> 1250
Met Ala Val Arg Ala Leu Lys Leu Leu Thr Thr Leu Leu Ala Val Val
1 5 10 15

Ala Ala Ala Ser Gln Ala Glu Val Glu Ser Glu Ala Gly Trp Gly Met
 20 25 30
 Val Thr Pro Asp Leu Leu Phe Ala Glu Gly Thr Ala Ala Tyr Ala Arg
 35 40 45
 Gly Asp Trp Pro Gly Val Val Leu Ser Met Glu Arg Ala Leu Arg Ser
 50 55 60
 Arg Ala Ala Leu Arg Ala Leu Arg Leu Arg Cys Arg Thr Gln Cys Ala
 65 70 75 80
 Ala Asp Phe Pro Trp Glu Leu Asp Pro Asp Trp Ser Pro Ser Pro Ala
 85 90 95
 Gln Ala Ser Gly Ala Ala Ala Leu Arg Asp Leu Ser Phe Phe Gly Gly
 100 105 110
 Leu Leu Arg Arg Ala Ala Cys Leu Arg Arg Cys Leu Gly Pro Pro Ala
 115 120 125
 Ala Thr Arg Ser Ala Lys Arg Trp Ser Trp Ser Ser Ala Ser Gly Pro
 130 135 140
 Leu Gln Leu Pro Ala Gly Arg Leu Leu Gln Asp Gln Gln Val Gly Glu
 145 150 155 160
 Ser Cys Cys Cys Ser Thr His Leu Leu Arg Gly Gln Ser
 165 170

<210> 1251
 <211> 359
 <212> PRT
 <213> Homo sapiens

<400> 1251
 Met Ala Val Arg Ala Leu Lys Leu Leu Thr Thr Leu Leu Ala Val Val
 1 5 10 15
 Ala Ala Ala Ser Gln Ala Glu Val Glu Ser Glu Ala Gly Trp Gly Met
 20 25 30
 Val Thr Pro Asp Leu Leu Phe Ala Glu Gly Thr Ala Ala Tyr Ala Arg
 35 40 45
 Gly Asp Trp Pro Gly Val Val Leu Ser Met Glu Arg Ala Leu Arg Ser
 50 55 60
 Arg Ala Ala Leu Arg Ala Leu Arg Leu Arg Cys Arg Thr Gln Cys Ala
 65 70 75 80
 Ala Asp Phe Pro Trp Glu Leu Asp Pro Asp Trp Ser Pro Ser Pro Ala
 85 90 95
 Gln Ala Ser Gly Ala Ala Ala Leu Arg Asp Leu Ser Phe Phe Gly Gly

100							105					110				
Leu	Leu	Arg	Arg	Ala	Ala	Cys	Leu	Arg	Arg	Cys	Leu	Gly	Pro	Pro	Ala	
		115					120					125				
Ala	His	Ser	Leu	Ser	Glu	Glu	Met	Glu	Leu	Glu	Phe	Arg	Lys	Arg	Ser	
	130					135					140					
Pro	Tyr	Asn	Tyr	Leu	Gln	Val	Ala	Tyr	Phe	Lys	Ile	Asn	Lys	Leu	Glu	
145					150					155					160	
Lys	Ala	Val	Ala	Ala	Ala	His	Thr	Phe	Phe	Val	Gly	Asn	Pro	Glu	His	
				165					170					175		
Met	Glu	Met	Gln	Gln	Asn	Leu	Asp	Tyr	Tyr	Gln	Thr	Met	Ser	Gly	Val	
			180					185					190			
Lys	Glu	Ala	Asp	Phe	Lys	Asp	Leu	Glu	Thr	Gln	Pro	His	Met	Gln	Glu	
		195					200					205				
Phe	Arg	Leu	Gly	Val	Arg	Leu	Tyr	Ser	Glu	Glu	Gln	Pro	Gln	Glu	Ala	
	210					215					220					
Val	Pro	His	Leu	Glu	Ala	Ala	Leu	Gln	Glu	Tyr	Phe	Val	Ala	Tyr	Glu	
225					230					235					240	
Glu	Cys	Arg	Ala	Leu	Cys	Glu	Gly	Pro	Tyr	Asp	Tyr	Asp	Gly	Tyr	Asn	
				245					250					255		
Tyr	Leu	Glu	Tyr	Asn	Ala	Asp	Leu	Phe	Gln	Ala	Ile	Thr	Asp	His	Tyr	
			260					265					270			
Ile	Gln	Val	Leu	Asn	Cys	Lys	Gln	Asn	Cys	Val	Thr	Glu	Leu	Ala	Ser	
		275						280				285				
His	Pro	Ser	Arg	Glu	Lys	Pro	Phe	Glu	Asp	Phe	Leu	Pro	Ser	His	Tyr	
		290				295					300					
Asn	Tyr	Leu	Gln	Phe	Ala	Tyr	Tyr	Asn	Ile	Gly	Asn	Tyr	Thr	Gln	Ala	
305					310					315					320	
Val	Glu	Cys	Ala	Lys	Thr	Tyr	Leu	Leu	Phe	Phe	Pro	Asn	Asp	Glu	Val	
				325					330					335		
Met	Asn	Gln	Asn	Leu	Ala	Leu	Leu	Cys	Ser	Tyr	Ala	Trp	Arg	Arg	Thr	
			340					345					350			
His	Gln	Ile	His	Arg	Pro	Pro										
		355														

<210> 1252
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 1252

Met	Thr	Ile	Phe	Thr	Pro	Phe	Leu	Val	Leu	Leu	Leu	Leu	Val	Asn	Ser
1				5					10					15	

Pro	Arg	Phe	Ser	Thr	Ile	Thr	Leu	Met	Arg	Ser	Gly	Phe	His	Asn	Pro
			20					25					30		

Ser	Val	Cys	Leu	Ser	Phe	Thr	Leu	Lys	Pro	Gln	Cys	Tyr	Leu	Val	Leu
		35					40					45			

Met	Tyr	Gln	Lys	Asn	Arg	Arg	Gln	Asp	Gly	Ser	Lys	Val	Phe	Phe	Lys
	50					55					60				

Thr	Ala	Arg	Leu	Lys	Phe	Tyr	Leu	Asn	Ile	Thr	Ala	Lys
65					70					75		

<210> 1253

<211> 77

<212> PRT

<213> Homo sapiens

<400> 1253

Met	Thr	Ile	Phe	Thr	Pro	Phe	Leu	Val	Leu	Leu	Leu	Leu	Val	Asn	Ser
1				5					10					15	

Pro	Arg	Phe	Ser	Thr	Ile	Thr	Leu	Met	Arg	Ser	Gly	Phe	His	Asn	Pro
			20					25					30		

Ser	Val	Cys	Leu	Ser	Phe	Thr	Leu	Lys	Pro	Gln	Cys	Tyr	Leu	Val	Leu
		35					40					45			

Met	Tyr	Gln	Lys	Asn	Arg	Arg	Gln	Asp	Gly	Ser	Lys	Val	Phe	Phe	Lys
	50					55					60				

Thr	Ala	Arg	Leu	Lys	Phe	Tyr	Leu	Asn	Ile	Thr	Ala	Lys
65					70					75		

<210> 1254

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1254

Met	Ala	Ser	Leu	Gly	Leu	Gln	Leu	Val	Gly	Tyr	Ile	Leu	Gly	Leu	Leu
1				5					10					15	

Gly	Leu	Leu	Gly	Thr	Leu	Val	Ala	Met	Leu	Leu	Pro	Ser	Trp	Lys	Thr
			20					25					30		

Ser Ser Tyr Val Gly Ala Ser Ile Val Thr Ala Val Gly Phe Ser Lys
 35 40 45
 Gly Leu Trp Met Glu Cys Ala Thr His Ser Thr Gly Ile Thr Gln Cys
 50 55 60
 Asp Ile Tyr Ser Thr Leu Leu Gly Leu Pro Ala Asp Ile Gln Ala Ala
 65 70 75 80
 Gln Ala Met Met Val Thr Ser Ser Ala Ile Ser Ser Leu Ala Cys Ile
 85 90 95
 Ile Ser Val Val Gly Met Arg Cys Thr Val Phe Cys Gln Glu Ser Arg
 100 105 110
 Ala Lys Asp Arg Val Ala Val Ala Gly Gly Val Phe Phe Ile Leu Gly
 115 120 125
 Ser Leu Leu Gly Phe Ile Pro Xaa Ala Trp Asn Leu
 130 135 140

<210> 1255
 <211> 86
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1255
 Arg Arg Phe Tyr Ser Pro Leu Val Pro Asp Ser Met Lys Phe Glu Ile
 1 5 10 15
 Gly Glu Ala Leu Tyr Leu Gly Ile Ile Ser Ser Leu Phe Ser Leu Ile
 20 25 30
 Xaa Gly Ile Ile Leu Cys Phe Ser Cys Ser Xaa Gln Arg Asn Arg Ser
 35 40 45
 Asn Tyr Tyr Asp Ala Tyr Gln Ala Gln Pro Leu Ala Thr Arg Ser Ser
 50 55 60
 Pro Arg Pro Gly Gln Pro Pro Lys Val Lys Ser Glu Phe Asn Ser Tyr
 65 70 75 80
 Ser Leu Thr Gly Tyr Val
 85

<210> 1256
 <211> 230
 <212> PRT
 <213> Homo sapiens

<400> 1256
 Met Ala Ser Leu Gly Leu Gln Leu Val Gly Tyr Ile Leu Gly Leu Leu
 1 5 10 15
 Gly Leu Leu Gly Thr Leu Val Ala Met Leu Leu Pro Ser Trp Lys Thr
 20 25 30
 Ser Ser Tyr Val Gly Ala Ser Ile Val Thr Ala Val Gly Phe Ser Lys
 35 40 45
 Gly Leu Trp Met Glu Cys Ala Thr His Ser Thr Gly Ile Thr Gln Cys
 50 55 60
 Asp Ile Tyr Ser Thr Leu Leu Gly Leu Pro Ala Asp Ile Gln Ala Ala
 65 70 75 80
 Gln Ala Met Met Val Thr Ser Ser Ala Ile Ser Ser Leu Ala Cys Ile
 85 90 95
 Ile Ser Val Val Gly Met Arg Cys Thr Val Phe Cys Gln Glu Ser Arg
 100 105 110
 Ala Lys Asp Arg Val Ala Val Ala Gly Gly Val Phe Phe Ile Leu Gly
 115 120 125
 Gly Leu Leu Gly Phe Ile Pro Val Ala Trp Asn Leu His Gly Ile Leu
 130 135 140
 Arg Asp Phe Tyr Ser Pro Leu Val Pro Asp Ser Met Lys Phe Glu Ile
 145 150 155 160
 Gly Glu Ala Leu Tyr Leu Gly Ile Ile Ser Ser Leu Phe Ser Leu Ile
 165 170 175
 Ala Gly Ile Ile Leu Cys Phe Ser Cys Ser Ser Gln Arg Asn Arg Ser
 180 185 190
 Asn Tyr Tyr Asp Ala Tyr Gln Ala Gln Pro Leu Ala Thr Arg Ser Ser
 195 200 205
 Pro Arg Pro Gly Gln Pro Pro Lys Val Lys Ser Glu Phe Asn Ser Tyr
 210 215 220
 Ser Leu Thr Gly Tyr Val
 225 230

<210> 1257

<211> 331
<212> PRT
<213> Homo sapiens

<400> 1257

Met	Trp	Leu	Trp	Glu	Asp	Gln	Gly	Gly	Leu	Leu	Gly	Pro	Phe	Ser	Phe	
1				5					10					15		
Leu	Leu	Leu	Val	Leu	Leu	Leu	Val	Thr	Arg	Ser	Pro	Val	Asn	Ala	Cys	
			20					25					30			
Leu	Leu	Thr	Gly	Ser	Leu	Phe	Val	Leu	Leu	Arg	Val	Phe	Ser	Phe	Glu	
		35					40					45				
Pro	Val	Pro	Ser	Cys	Arg	Ala	Leu	Gln	Val	Leu	Lys	Pro	Arg	Asp	Arg	
	50					55					60					
Ile	Ser	Ala	Ile	Ala	His	Arg	Gly	Gly	Ser	His	Asp	Ala	Pro	Glu	Asn	
65					70					75					80	
Thr	Leu	Ala	Ala	Ile	Arg	Gln	Ala	Ala	Lys	Asn	Gly	Ala	Thr	Gly	Val	
				85					90					95		
Glu	Leu	Asp	Ile	Glu	Phe	Thr	Ser	Asp	Gly	Ile	Pro	Val	Leu	Met	His	
			100					105					110			
Asp	Asn	Thr	Val	Asp	Arg	Thr	Thr	Asp	Gly	Thr	Gly	Arg	Leu	Cys	Asp	
		115					120					125				
Leu	Thr	Phe	Glu	Gln	Ile	Arg	Lys	Leu	Asn	Pro	Ala	Ala	Asn	His	Arg	
	130					135					140					
Leu	Arg	Asn	Asp	Phe	Pro	Asp	Glu	Lys	Ile	Pro	Thr	Leu	Arg	Glu	Ala	
145					150				155						160	
Val	Ala	Glu	Cys	Leu	Asn	His	Asn	Leu	Thr	Ile	Phe	Phe	Asp	Val	Lys	
				165					170					175		
Gly	His	Ala	His	Lys	Ala	Thr	Glu	Ala	Leu	Lys	Lys	Met	Tyr	Met	Glu	
			180					185					190			
Phe	Pro	Gln	Leu	Tyr	Asn	Asn	Ser	Val	Val	Cys	Ser	Phe	Leu	Pro	Glu	
		195					200					205				
Val	Ile	Tyr	Lys	Met	Arg	Gln	Thr	Asp	Arg	Asp	Val	Ile	Thr	Ala	Leu	
	210					215					220					
Thr	His	Arg	Pro	Trp	Ser	Leu	Ser	His	Thr	Gly	Asp	Gly	Lys	Pro	Arg	
225					230					235					240	
Tyr	Asp	Thr	Phe	Trp	Lys	His	Phe	Ile	Phe	Val	Met	Met	Asp	Ile	Leu	
				245					250					255		
Leu	Asp	Trp	Ser	Met	His	Asn	Ile	Leu	Trp	Tyr	Leu	Cys	Gly	Ile	Ser	
			260				265						270			
Ala	Phe	Leu	Met	Gln	Lys	Asp	Phe	Val	Ser	Pro	Ala	Tyr	Leu	Lys	Lys	

275		280		285												
Trp	Ser	Ala	Lys	Gly	Ile	Gln	Val	Val	Gly	Trp	Thr	Val	Asn	Thr	Phe	
290						295					300					
Asp	Glu	Lys	Ser	Tyr	Tyr	Glu	Ser	His	Leu	Gly	Ser	Ser	Tyr	Ile	Thr	
305					310					315					320	
Asp	Ser	Met	Val	Glu	Asp	Cys	Glu	Pro	His	Phe						
				325					330							

<210> 1258
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 1258
 Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg
 1 5 10 15
 Pro Ile Gly Val His Leu His Ser Val Arg Asp
 20 25

<210> 1259
 <211> 485
 <212> PRT
 <213> Homo sapiens

<400> 1259
 Ala Arg Gly Arg Leu Leu Pro Trp Trp Leu Ala Ala Gly Cys Ser Met
 1 5 10 15
 Ser Arg Leu Gly Ala Leu Gly Gly Ala Arg Ala Gly Leu Gly Leu Leu
 20 25 30
 Leu Gly Thr Ala Ala Gly Leu Gly Phe Leu Cys Leu Leu Tyr Ser Gln
 35 40 45
 Arg Trp Lys Arg Thr Gln Arg His Gly Arg Ser Gln Ser Leu Pro Asn
 50 55 60
 Ser Leu Asp Tyr Thr Gln Thr Ser Asp Pro Gly Arg His Val Met Leu
 65 70 75 80
 Leu Arg Ala Val Pro Gly Gly Ala Gly Asp Ala Ser Val Leu Pro Ser
 85 90 95
 Leu Pro Arg Glu Gly Gln Glu Lys Val Leu Asp Arg Leu Asp Phe Val
 100 105 110
 Leu Thr Ser Leu Val Ala Leu Arg Arg Glu Val Glu Glu Leu Arg Ser
 115 120 125

Ser	Leu	Arg	Gly	Leu	Ala	Gly	Glu	Ile	Val	Gly	Glu	Val	Arg	Cys	His			
130						135					140							
Met	Glu	Glu	Asn	Gln	Arg	Val	Ala	Arg	Arg	Arg	Arg	Phe	Pro	Phe	Val			
145					150					155					160			
Arg	Glu	Arg	Ser	Asp	Ser	Thr	Gly	Ser	Ser	Ser	Val	Tyr	Phe	Thr	Ala			
				165					170					175				
Ser	Ser	Gly	Ala	Thr	Phe	Thr	Asp	Ala	Glu	Ser	Glu	Gly	Gly	Tyr	Thr			
			180					185					190					
Thr	Ala	Asn	Ala	Glu	Ser	Asp	Asn	Glu	Arg	Asp	Ser	Asp	Lys	Glu	Ser			
		195					200					205						
Glu	Asp	Gly	Glu	Asp	Glu	Val	Ser	Cys	Glu	Thr	Val	Lys	Met	Gly	Arg			
	210					215					220							
Lys	Asp	Ser	Leu	Asp	Leu	Glu	Glu	Glu	Ala	Ala	Ser	Gly	Ala	Ser	Ser			
225					230					235					240			
Ala	Leu	Glu	Ala	Gly	Gly	Ser	Ser	Gly	Leu	Glu	Asp	Val	Leu	Pro	Leu			
				245					250					255				
Leu	Gln	Gln	Ala	Asp	Glu	Leu	His	Arg	Gly	Asp	Glu	Gln	Gly	Lys	Arg			
			260					265					270					
Glu	Gly	Phe	Gln	Leu	Leu	Leu	Asn	Asn	Lys	Leu	Val	Tyr	Gly	Ser	Arg			
		275					280					285						
Gln	Asp	Phe	Leu	Trp	Arg	Leu	Ala	Arg	Ala	Tyr	Ser	Asp	Met	Cys	Glu			
	290					295					300							
Leu	Thr	Glu	Glu	Val	Ser	Glu	Lys	Lys	Ser	Tyr	Ala	Leu	Asp	Gly	Lys			
305					310					315					320			
Glu	Glu	Ala	Glu	Ala	Ala	Leu	Glu	Lys	Gly	Asp	Glu	Ser	Ala	Asp	Cys			
				325					330					335				
His	Leu	Trp	Tyr	Ala	Val	Leu	Cys	Gly	Gln	Leu	Ala	Glu	His	Glu	Ser			
			340					345					350					
Ile	Gln	Arg	Arg	Ile	Gln	Ser	Gly	Phe	Ser	Phe	Lys	Glu	His	Val	Asp			
		355					360					365						
Lys	Ala	Ile	Ala	Leu	Gln	Pro	Glu	Asn	Pro	Met	Ala	His	Phe	Leu	Leu			
	370					375					380							
Gly	Arg	Trp	Cys	Tyr	Gln	Val	Ser	His	Leu	Ser	Trp	Leu	Glu	Lys	Lys			
385					390					395					400			
Thr	Ala	Thr	Ala	Leu	Leu	Glu	Ser	Pro	Leu	Ser	Ala	Thr	Val	Glu	Asp			
				405					410					415				
Ala	Leu	Gln	Ser	Phe	Leu	Lys	Ala	Glu	Glu	Leu	Gln	Pro	Gly	Phe	Ser			
			420					425					430					

Lys Ala Gly Arg Val Tyr Ile Ser Lys Cys Tyr Arg Glu Leu Gly Lys
 435 440 445
 Asn Ser Glu Ala Arg Trp Trp Met Lys Leu Ala Leu Glu Leu Pro Asp
 450 455 460
 Val Thr Lys Glu Asp Leu Ala Ile Gln Lys Asp Leu Glu Glu Leu Glu
 465 470 475 480
 Val Ile Leu Arg Asp
 485

<210> 1260
 <211> 470
 <212> PRT
 <213> Homo sapiens

<400> 1260
 Met Ser Arg Leu Gly Ala Leu Gly Gly Ala Arg Ala Gly Leu Gly Leu
 1 5 10 15
 Leu Leu Gly Thr Ala Ala Gly Leu Gly Phe Leu Cys Leu Leu Tyr Ser
 20 25 30
 Gln Arg Trp Lys Arg Thr Gln Arg His Gly Arg Ser Gln Ser Leu Pro
 35 40 45
 Asn Ser Leu Asp Tyr Thr Gln Thr Ser Asp Pro Gly Arg His Val Met
 50 55 60
 Leu Leu Arg Ala Val Pro Gly Gly Ala Gly Asp Ala Ser Val Leu Pro
 65 70 75 80
 Ser Leu Pro Arg Glu Gly Gln Glu Lys Val Leu Asp Arg Leu Asp Phe
 85 90 95
 Val Leu Thr Ser Leu Val Ala Leu Arg Arg Glu Val Glu Glu Leu Arg
 100 105 110
 Ser Ser Leu Arg Gly Leu Ala Gly Glu Ile Val Gly Glu Val Arg Cys
 115 120 125
 His Met Glu Glu Asn Gln Arg Val Ala Arg Arg Arg Arg Phe Pro Phe
 130 135 140
 Val Arg Glu Arg Ser Asp Ser Thr Gly Ser Ser Ser Val Tyr Phe Thr
 145 150 155 160
 Ala Ser Ser Gly Ala Thr Phe Thr Asp Ala Glu Ser Glu Gly Gly Tyr
 165 170 175
 Thr Thr Ala Asn Ala Glu Ser Asp Asn Glu Arg Asp Ser Asp Lys Glu
 180 185 190
 Ser Glu Asp Gly Glu Asp Glu Val Ser Cys Glu Thr Val Lys Met Gly

195					200					205						
Arg	Lys	Asp	Ser	Leu	Asp	Leu	Glu	Glu	Glu	Ala	Ala	Ser	Gly	Ala	Ser	
210					215					220						
Ser	Ala	Leu	Glu	Ala	Gly	Gly	Ser	Ser	Gly	Leu	Glu	Asp	Val	Leu	Pro	
225					230					235					240	
Leu	Leu	Gln	Gln	Ala	Asp	Glu	Leu	His	Arg	Gly	Asp	Glu	Gln	Gly	Lys	
245					250					255						
Arg	Glu	Gly	Phe	Gln	Leu	Leu	Leu	Asn	Asn	Lys	Leu	Val	Tyr	Gly	Ser	
260					265					270						
Arg	Gln	Asp	Phe	Leu	Trp	Arg	Leu	Ala	Arg	Ala	Tyr	Ser	Asp	Met	Cys	
275					280					285						
Glu	Leu	Thr	Glu	Glu	Val	Ser	Glu	Lys	Lys	Ser	Tyr	Ala	Leu	Asp	Gly	
290					295					300						
Lys	Glu	Glu	Ala	Glu	Ala	Ala	Leu	Glu	Lys	Gly	Asp	Glu	Ser	Ala	Asp	
305					310					315					320	
Cys	His	Leu	Trp	Tyr	Ala	Val	Leu	Cys	Gly	Gln	Leu	Ala	Glu	His	Glu	
325					330					335						
Ser	Ile	Gln	Arg	Arg	Ile	Gln	Ser	Gly	Phe	Ser	Phe	Lys	Glu	His	Val	
340					345					350						
Asp	Lys	Ala	Ile	Ala	Leu	Gln	Pro	Glu	Asn	Pro	Met	Ala	His	Phe	Leu	
355					360					365						
Leu	Gly	Arg	Trp	Cys	Tyr	Gln	Val	Ser	His	Leu	Ser	Trp	Leu	Glu	Lys	
370					375					380						
Lys	Thr	Ala	Thr	Ala	Leu	Leu	Glu	Ser	Pro	Leu	Ser	Ala	Thr	Val	Glu	
385					390					395					400	
Asp	Ala	Leu	Gln	Ser	Phe	Leu	Lys	Ala	Glu	Glu	Leu	Gln	Pro	Gly	Phe	
405					410					415						
Ser	Lys	Ala	Gly	Arg	Val	Tyr	Ile	Ser	Lys	Cys	Tyr	Arg	Glu	Leu	Gly	
420					425					430						
Lys	Asn	Ser	Glu	Ala	Arg	Trp	Trp	Met	Lys	Leu	Ala	Leu	Glu	Leu	Pro	
435					440					445						
Asp	Val	Thr	Lys	Glu	Asp	Leu	Ala	Ile	Gln	Lys	Asp	Leu	Glu	Glu	Leu	
450					455					460						
Glu	Val	Ile	Leu	Arg	Asp											
465					470											

<210> 1261

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1261

Met	Pro	Asp	Lys	Arg	Glu	Ala	Thr	Ala	Ala	Ala	Val	Ala	Leu	Phe	Ile
1				5					10					15	

Val	Pro	Leu	Gly	Val	Trp	Met	Arg	Gly	Ser	Arg	Gly	Tyr	Ser	Ala	Ala
			20					25					30		

His	Glu	Gly	Ser	Leu
		35		

<210> 1262

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1262

Met	Pro	Asp	Lys	Arg	Glu	Ala	Thr	Ala	Ala	Ala	Val	Ala	Leu	Phe	Ile
1				5					10					15	

Val	Pro	Leu	Gly	Val	Trp	Met	Arg	Gly	Ser	Arg	Gly	Tyr	Ser	Ala	Ala
			20					25					30		

His	Glu	Gly	Ser	Leu
		35		

<210> 1263

<211> 105

<212> PRT

<213> Homo sapiens

<400> 1263

Met	Leu	Val	Cys	Met	Leu	Gly	Cys	Leu	Ala	Asn	Leu	Val	Val	Val	Gly
1				5					10					15	

Phe	Leu	Lys	Glu	Lys	Thr	Phe	Pro	Leu	Ala	Met	Ala	Arg	Thr	Arg	Gly
			20					25					30		

Ser	Ser	Leu	Ser	Leu	Leu	Pro	Thr	Pro	Pro	Phe	Pro	Cys	Pro	Cys	Pro
		35					40					45			

Asp	Ala	Ser	Arg	Leu	Arg	Glu	Lys	His	Cys	Ile	Gln	Thr	Glu	Gly	Ser
	50					55					60				

Ala	Ala	Ser	Phe	Gln	Lys	Val	Ile	Gly	Lys	Ala	Leu	Glu	Arg	Arg	Ala
65					70				75						80

Val	Leu	Gln	Leu	Ala	Leu	Phe	Leu	His	His	Pro	Pro	Ser	Leu	Cys	Ile
			85					90						95	

Met	His	Leu	Leu	Leu	Pro	Pro	Gly	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----

100

105

<210> 1264
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 1264
 Met Leu Val Cys Met Leu Gly Cys Leu Ala Asn Leu Val Val Val Gly
 1 5 10 15
 Phe Leu Lys Glu Lys Thr Phe Pro Leu Ala Met Ala Arg Thr Arg Gly
 20 25 30
 Ser Ser Leu Ser Leu Leu Pro Thr Pro Pro Phe Pro Cys Pro Cys Pro
 35 40 45
 Asp Ala Ser Arg Leu Arg Glu Lys His Cys Ile Gln Thr Glu Gly Ser
 50 55 60
 Ala Ala Ser Phe Gln Lys Val Ile Gly Lys Ala Leu Glu Arg Arg Ala
 65 70 75 80
 Val Leu Gln Leu Ala Leu Phe Leu His His Pro Pro Ser Leu Cys Ile
 85 90 95
 Met His Leu Leu Leu Pro Pro Gly Leu
 100 105

<210> 1265
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (101)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1265
 Met Thr Leu Cys Leu Val Thr Phe Leu Thr Ser Leu Pro Thr Ser Val
 1 5 10 15
 Pro Ala Cys Thr Ser Cys Trp Pro Gly Phe Met Arg Ser Ser Lys Asn
 20 25 30
 Ala Tyr Asp Thr His His Trp Gly Gly Gln Arg Ser Met Asn Leu Glu
 35 40 45
 Ser Leu Thr Cys Gly Gln Leu Ala Ile Arg Trp Thr Arg Gly Trp Met
 50 55 60
 Thr Arg Pro Arg Gln Val Trp Ala Met Pro Gly Gln Thr Val Asp Val

65		70		75		80									
Tyr	Leu	Gly	Arg	Met	Leu	Gln	Gly	Val	Val	Leu	Arg	Gly	Gln	Thr	Leu
				85					90					95	

Arg Gly Arg Ala Xaa
100

<210> 1266
<211> 50
<212> PRT
<213> Homo sapiens

<400> 1266															
Lys	Ala	Val	Thr	Gly	Trp	Ala	His	Trp	Leu	Thr	Pro	Ile	Ile	Pro	Ala
1				5					10					15	

Leu	Trp	Glu	Ala	Lys	Ala	Gly	Arg	Ser	Leu	Glu	Val	Arg	Ile	Ser	Arg
			20					25					30		

Pro	Ala	Trp	Ser	Thr	Trp	Gln	Asn	Leu	Val	Ser	Thr	Lys	Asn	Thr	Lys
		35					40					45			

Ile Arg
50

<210> 1267
<211> 120
<212> PRT
<213> Homo sapiens

<400> 1267															
Glu	Val	Leu	Phe	Ser	Asn	Asp	Ser	Val	Leu	Gly	His	Phe	Pro	His	Gln
1				5					10					15	

Ser	Pro	Asn	Glu	Arg	Ala	Arg	Leu	Tyr	Phe	Leu	Leu	Ala	Trp	Phe	His
			20					25					30		

Ala	Ile	Ile	Gln	Glu	Arg	Leu	Arg	Tyr	Ala	Pro	Leu	Gly	Trp	Ser	Lys
			35				40					45			

Lys	Tyr	Glu	Phe	Gly	Glu	Ser	Asp	Leu	Arg	Ser	Ala	Cys	Asp	Thr	Val
	50					55					60				

Asp	Thr	Trp	Leu	Asp	Asp	Thr	Ala	Lys	Ala	Ser	Val	Gly	His	Ala	Arg
65					70					75					80

Thr	Asp	Ser	Gly	Arg	Val	Ser	Gly	Lys	Asp	Ala	Ala	Gly	Arg	Gly	Ala
			85					90						95	

Glu	Arg	Pro	Asp	Ser	Ala	Trp	Lys	Ser	Glu	Leu	Thr	Pro	Arg	Asp	Arg
			100				105						110		

Gln Ser Leu Ala Gly His Gly Glu
115 120

<210> 1268
<211> 103
<212> PRT
<213> Homo sapiens

<400> 1268
Met Met Cys Val Val Leu Thr Thr Leu Pro Cys Leu Thr Phe Ser Ile
1 5 10 15
Ala Val Thr Glu Val Gln Lys Ser Ile Asn Gly Ser Ala Asp Val Leu
20 25 30
Pro Asp Met Leu Pro Asp Leu Pro Val Ser Leu Val Leu Leu Ser Leu
35 40 45
Ile Met Val Asp Ile Ile Glu Lys Leu Arg Ile Tyr Pro Leu Arg Gly
50 55 60
Ser Gln Lys Ser Ser Glu Asn Gly His Ile His Ser Thr Ser Leu Gln
65 70 75 80
His Ile Lys Thr Val Thr Glu Gln Val Arg Gln Ser Pro Glu Asn Ala
85 90 95
Ala Ser Pro Gln Ala Thr Asn
100

<210> 1269
<211> 261
<212> PRT
<213> Homo sapiens

<400> 1269
Met Met Cys Val Val Leu Thr Thr Leu Pro Cys Leu Thr Phe Ser Ile
1 5 10 15
Ala Val Thr Glu Val Gln Lys Ser Ile Asn Gly Ser Ala Asp Val Leu
20 25 30
Pro Asp Met Leu Pro Asp Leu Pro Val Ser Leu Val Leu Leu Ser Leu
35 40 45
Ile Met Val Asp Ile Ile Glu Lys Leu Arg Ile Tyr Pro Leu Arg Gly
50 55 60
Ser Gln Lys Ser Ser Glu Asn Gly His Ile His Ser Thr Ser Leu Gln
65 70 75 80
His Ile Lys Thr Val Thr Glu Gln Val Arg Gln Ser Pro Glu Asn Ala
85 90 95

Pro Pro Pro Thr Trp Ala Leu Ser Pro Arg Ile Ser Leu Pro Leu Gly
 35 40 45
 Ser Glu Glu Arg Pro Phe Leu Arg Phe Glu Ala Glu His Ile Ser Asn
 50 55 60
 Tyr Thr Ala Leu Leu Leu Ser Arg Asp Gly Arg Thr Leu Tyr Val Gly
 65 70 75 80
 Ala Arg Glu Ala Leu Phe Ala Leu Ser Ser Asn Leu Ser Phe Leu Pro
 85 90 95
 Gly Gly Glu Tyr Gln Glu Leu Leu Trp Gly Ala Asp Ala Glu Lys Lys
 100 105 110
 Gln Gln Cys Ser Phe Lys Gly Lys Asp Pro Gln Arg Asp Cys Gln Asn
 115 120 125
 Tyr Ile Lys Ile Leu Leu Pro Leu Ser Gly Ser His Leu Phe Thr Cys
 130 135 140
 Gly Thr Ala Ala Phe Ser Pro Met Cys Thr Tyr Ile Asn Xaa Glu Asn
 145 150 155 160
 Phe Thr Leu Ala Arg Asp Glu Lys Gly Asn Val Leu Leu Glu Asp Gly
 165 170 175
 Lys Gly Arg Cys Pro Phe Asp Pro Asn Phe Lys Ser Thr Ala Leu Val
 180 185 190
 Val Asp Gly Glu Leu Tyr Thr Gly Thr Val Ser Ser Phe Gln Gly Asn
 195 200 205
 Asp Pro Ala Ile Ser Arg Ser Gln Ser Leu Arg Pro Thr Lys Thr Glu
 210 215 220
 Ser Ser Leu Asn Trp Leu Gln Asp Pro Ala Phe Val Ala Ser Ala Tyr
 225 230 235 240
 Ile Pro Glu Ser Leu Gly Ser Leu Gln Gly Asp Asp Asp Lys Ile Tyr
 245 250 255
 Phe Phe Phe Ser Glu Thr Gly Gln Glu Phe Glu Phe Phe Glu Asn Thr
 260 265 270
 Ile Val Ser Gly Xaa
 275

<210> 1271
 <211> 832
 <212> PRT
 <213> Homo sapiens

 <400> 1271

Met	Gly	Leu	Arg	Ser	Trp	Leu	Ala	Ala	Pro	Trp	Gly	Ala	Leu	Pro	Pro	1	5	10	15
Arg	Pro	Pro	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Gln	Pro	20	25	30	
Pro	Pro	Pro	Thr	Trp	Ala	Leu	Ser	Pro	Arg	Ile	Ser	Leu	Pro	Leu	Gly	35	40	45	
Ser	Glu	Glu	Arg	Pro	Phe	Leu	Arg	Phe	Glu	Ala	Glu	His	Ile	Ser	Asn	50	55	60	
Tyr	Thr	Ala	Leu	Leu	Leu	Ser	Arg	Asp	Gly	Arg	Thr	Leu	Tyr	Val	Gly	65	70	75	80
Ala	Arg	Glu	Ala	Leu	Phe	Ala	Leu	Ser	Ser	Asn	Leu	Ser	Phe	Leu	Pro	85	90	95	
Gly	Gly	Glu	Tyr	Gln	Glu	Leu	Leu	Trp	Gly	Ala	Asp	Ala	Glu	Lys	Lys	100	105	110	
Gln	Gln	Cys	Ser	Phe	Lys	Gly	Lys	Asp	Pro	Gln	Arg	Asp	Cys	Gln	Asn	115	120	125	
Tyr	Ile	Lys	Ile	Leu	Leu	Pro	Leu	Ser	Gly	Ser	His	Leu	Phe	Thr	Cys	130	135	140	
Gly	Thr	Ala	Ala	Phe	Ser	Pro	Met	Cys	Thr	Tyr	Ile	Asn	Met	Glu	Asn	145	150	155	160
Phe	Thr	Leu	Ala	Arg	Asp	Glu	Lys	Gly	Asn	Val	Leu	Leu	Glu	Asp	Gly	165	170	175	
Lys	Gly	Arg	Cys	Pro	Phe	Asp	Pro	Asn	Phe	Lys	Ser	Thr	Ala	Leu	Val	180	185	190	
Val	Asp	Gly	Glu	Leu	Tyr	Thr	Gly	Thr	Val	Ser	Ser	Phe	Gln	Gly	Asn	195	200	205	
Asp	Pro	Ala	Ile	Ser	Arg	Ser	Gln	Ser	Leu	Arg	Pro	Thr	Lys	Thr	Glu	210	215	220	
Ser	Ser	Leu	Asn	Trp	Leu	Gln	Asp	Pro	Ala	Phe	Val	Ala	Ser	Ala	Tyr	225	230	235	240
Ile	Pro	Glu	Ser	Leu	Gly	Ser	Leu	Gln	Gly	Asp	Asp	Asp	Lys	Ile	Tyr	245	250	255	
Phe	Phe	Phe	Ser	Glu	Thr	Gly	Gln	Glu	Phe	Glu	Phe	Phe	Glu	Asn	Thr	260	265	270	
Ile	Val	Ser	Arg	Ile	Ala	Arg	Ile	Cys	Lys	Gly	Asp	Glu	Gly	Gly	Glu	275	280	285	
Arg	Val	Leu	Gln	Gln	Arg	Trp	Thr	Ser	Phe	Leu	Lys	Ala	Gln	Leu	Leu	290	295	300	

Cys	Ser	Arg	Pro	Asp	Asp	Gly	Phe	Pro	Phe	Asn	Val	Leu	Gln	Asp	Val	305	310	315	320
Phe	Thr	Leu	Ser	Pro	Ser	Pro	Gln	Asp	Trp	Arg	Asp	Thr	Leu	Phe	Tyr	325	330	335	
Gly	Val	Phe	Thr	Ser	Gln	Trp	His	Arg	Gly	Thr	Thr	Glu	Gly	Ser	Ala	340	345	350	
Val	Cys	Val	Phe	Thr	Met	Lys	Asp	Val	Gln	Arg	Val	Phe	Ser	Gly	Leu	355	360	365	
Tyr	Lys	Glu	Val	Asn	Arg	Glu	Thr	Gln	Gln	Trp	Tyr	Thr	Val	Thr	His	370	375	380	
Pro	Val	Pro	Thr	Pro	Arg	Pro	Gly	Ala	Cys	Ile	Thr	Asn	Ser	Ala	Arg	385	390	395	400
Glu	Arg	Lys	Ile	Asn	Ser	Ser	Leu	Gln	Leu	Pro	Asp	Arg	Val	Leu	Asn	405	410	415	
Phe	Leu	Lys	Asp	His	Phe	Leu	Met	Asp	Gly	Gln	Val	Arg	Ser	Arg	Met	420	425	430	
Leu	Leu	Leu	Gln	Pro	Gln	Ala	Arg	Tyr	Gln	Arg	Val	Ala	Val	His	Arg	435	440	445	
Val	Pro	Gly	Leu	His	His	Thr	Tyr	Asp	Val	Leu	Phe	Leu	Gly	Thr	Gly	450	455	460	
Asp	Gly	Arg	Leu	His	Lys	Ala	Val	Ser	Val	Gly	Pro	Arg	Val	His	Ile	465	470	475	480
Ile	Glu	Glu	Leu	Gln	Ile	Phe	Ser	Ser	Gly	Gln	Pro	Val	Gln	Asn	Leu	485	490	495	
Leu	Leu	Asp	Thr	His	Arg	Gly	Leu	Leu	Tyr	Ala	Ala	Ser	His	Ser	Gly	500	505	510	
Val	Val	Gln	Val	Pro	Met	Ala	Asn	Cys	Ser	Leu	Tyr	Arg	Ser	Cys	Gly	515	520	525	
Asp	Cys	Leu	Leu	Ala	Arg	Asp	Pro	Tyr	Cys	Ala	Trp	Ser	Gly	Ser	Ser	530	535	540	
Cys	Lys	His	Val	Ser	Leu	Tyr	Gln	Pro	Gln	Leu	Ala	Thr	Arg	Pro	Trp	545	550	555	560
Ile	Gln	Asp	Ile	Glu	Gly	Ala	Ser	Ala	Lys	Asp	Leu	Cys	Ser	Ala	Ser	565	570	575	
Ser	Val	Val	Ser	Pro	Ser	Phe	Val	Pro	Thr	Gly	Glu	Lys	Pro	Cys	Glu	580	585	590	
Gln	Val	Gln	Phe	Gln	Pro	Asn	Thr	Val	Asn	Thr	Leu	Ala	Cys	Pro	Leu	595	600	605	

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (147)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (156)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (184)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1272
 Met Gly Lys Trp Lys Glu Ser Leu Gln Asn Ala Xaa His Leu Pro Pro
 1 5 10 15
 Ile Leu Leu Leu Arg Xaa Ile His Leu Phe Cys Ala Val Leu Ala Gly
 20 25 30
 Gly Lys Glu Asn Gly Gln Met Ala Val Ser Asp Gly Ser Val Lys Gly
 35 40 45
 Leu Leu Ser Val Val Arg Xaa Trp Ser Arg Gly Pro Ala Pro Asp Pro
 50 55 60
 Cys Leu Val Pro Leu Ala Leu Glu Ala Leu Val Gly Ala Val His Val
 65 70 75 80
 Leu His Ala Ser Arg Ala Pro Pro Arg Gly Pro Glu Leu Arg Ala Leu
 85 90 95
 Leu Glu Ser Tyr Phe His Val Leu Asn Ala Asp Trp Pro Ala Gly Leu
 100 105 110
 Ser Ser Gly Pro Glu Glu Ala Leu Val Thr Leu Arg Val Ser Met Leu
 115 120 125
 Asp Ala Ile Pro Met Met Leu His Val Lys Thr Gly Gln Cys Leu Gln
 130 135 140
 Pro Pro Xaa Ser Ala Thr Ile Ala Leu Asn Thr Xaa Leu Gly Ser Phe
 145 150 155 160
 Lys Asn Lys Gln Gly Ser Trp Thr Lys Thr Gln Thr His Cys Ser Pro

				165					170					175
Cys	Ser	Gln	Ser	Ala	Asp	Leu	Xaa	His	Glu	Val	Thr	Pro	Leu	Gly
			180					185					190	Pro

Arg	Arg	Trp	Leu
		195	

<210> 1273
 <211> 347
 <212> PRT
 <213> Homo sapiens

<400> 1273															
Met	Ser	Ser	Trp	Ser	Arg	Gln	Arg	Pro	Lys	Ser	Pro	Gly	Gly	Ile	Gln
1				5					10					15	
Pro	His	Val	Ser	Arg	Thr	Leu	Phe	Leu	Leu	Leu	Leu	Leu	Ala	Ala	Ser
			20					25					30		
Ala	Trp	Gly	Val	Thr	Leu	Ser	Pro	Lys	Asp	Cys	Gln	Val	Phe	Arg	Ser
		35					40					45			
Asp	His	Gly	Ser	Ser	Ile	Ser	Cys	Gln	Pro	Pro	Ala	Glu	Ile	Pro	Gly
	50					55					60				
Tyr	Leu	Pro	Ala	Asp	Thr	Val	His	Leu	Ala	Val	Glu	Phe	Phe	Asn	Leu
65					70					75					80
Thr	His	Leu	Pro	Ala	Asn	Leu	Leu	Gln	Gly	Ala	Ser	Lys	Leu	Gln	Glu
				85					90					95	
Leu	His	Leu	Ser	Ser	Asn	Gly	Leu	Glu	Ser	Leu	Ser	Pro	Glu	Phe	Leu
			100					105					110		
Arg	Pro	Val	Pro	Gln	Leu	Arg	Val	Leu	Asp	Leu	Thr	Arg	Asn	Ala	Leu
		115					120					125			
Thr	Gly	Leu	Pro	Ser	Gly	Leu	Phe	Gln	Ala	Ser	Ala	Thr	Leu	Asp	Thr
	130					135					140				
Leu	Val	Leu	Lys	Glu	Asn	Gln	Leu	Glu	Val	Leu	Glu	Val	Ser	Trp	Leu
145					150					155					160
His	Gly	Leu	Lys	Ala	Leu	Gly	His	Leu	Asp	Leu	Ser	Gly	Asn	Arg	Leu
				165					170					175	
Arg	Lys	Leu	Pro	Pro	Gly	Leu	Leu	Ala	Asn	Phe	Thr	Leu	Leu	Arg	Thr
			180					185						190	
Leu	Asp	Leu	Gly	Glu	Asn	Gln	Leu	Glu	Thr	Leu	Pro	Pro	Asp	Leu	Leu
	195						200					205			
Arg	Gly	Pro	Leu	Gln	Leu	Glu	Arg	Leu	His	Leu	Glu	Gly	Asn	Lys	Leu
	210					215					220				

Gln	Val	Leu	Gly	Lys	Asp	Leu	Leu	Leu	Pro	Gln	Pro	Asp	Leu	Arg	Tyr
225					230					235					240
Leu	Phe	Leu	Asn	Gly	Asn	Lys	Leu	Ala	Arg	Val	Ala	Ala	Gly	Ala	Phe
				245					250					255	
Gln	Gly	Leu	Arg	Gln	Leu	Asp	Met	Leu	Asp	Leu	Ser	Asn	Asn	Ser	Leu
			260					265					270		
Ala	Ser	Val	Pro	Glu	Gly	Leu	Trp	Ala	Ser	Leu	Gly	Gln	Pro	Asn	Trp
		275					280					285			
Asp	Met	Arg	Asp	Gly	Phe	Asp	Ile	Ser	Gly	Asn	Pro	Trp	Ile	Cys	Asp
	290					295					300				
Gln	Asn	Leu	Ser	Asp	Leu	Tyr	Arg	Trp	Leu	Gln	Ala	Gln	Lys	Asp	Lys
305					310					315					320
Met	Phe	Ser	Gln	Asn	Asp	Thr	Arg	Cys	Ala	Gly	Pro	Glu	Ala	Val	Lys
				325				330						335	
Gly	Gln	Thr	Leu	Leu	Ala	Val	Ala	Lys	Ser	Gln					
			340					345							

<210> 1274
 <211> 347
 <212> PRT
 <213> Homo sapiens

<400> 1274

Met	Ser	Ser	Trp	Ser	Arg	Gln	Arg	Pro	Lys	Ser	Pro	Gly	Gly	Ile	Gln
1				5					10					15	
Pro	His	Val	Ser	Arg	Thr	Leu	Phe	Leu	Leu	Leu	Leu	Leu	Ala	Ala	Ser
			20					25					30		
Ala	Trp	Gly	Val	Thr	Leu	Ser	Pro	Lys	Asp	Cys	Gln	Val	Phe	Arg	Ser
		35					40					45			
Asp	His	Gly	Ser	Ser	Ile	Ser	Cys	Gln	Pro	Pro	Ala	Glu	Ile	Pro	Gly
	50					55					60				
Tyr	Leu	Pro	Ala	Asp	Thr	Val	His	Leu	Ala	Val	Glu	Phe	Phe	Asn	Leu
65					70					75					80
Thr	His	Leu	Pro	Ala	Asn	Leu	Leu	Gln	Gly	Ala	Ser	Lys	Leu	Gln	Glu
				85					90					95	
Leu	His	Leu	Ser	Ser	Asn	Gly	Leu	Glu	Ser	Leu	Ser	Pro	Glu	Phe	Leu
			100					105					110		
Arg	Pro	Val	Pro	Gln	Leu	Arg	Val	Leu	Asp	Leu	Thr	Arg	Asn	Ala	Leu
		115					120					125			

Thr Gly Leu Pro Ser Gly Leu Phe Gln Ala Ser Ala Thr Leu Asp Thr
 130 135 140
 Leu Val Leu Lys Glu Asn Gln Leu Glu Val Leu Glu Val Ser Trp Leu
 145 150 155 160
 His Gly Leu Lys Ala Leu Gly His Leu Asp Leu Ser Gly Asn Arg Leu
 165 170 175
 Arg Lys Leu Pro Pro Gly Leu Leu Ala Asn Phe Thr Leu Leu Arg Thr
 180 185 190
 Leu Asp Leu Gly Glu Asn Gln Leu Glu Thr Leu Pro Pro Asp Leu Leu
 195 200 205
 Arg Gly Pro Leu Gln Leu Glu Arg Leu His Leu Glu Gly Asn Lys Leu
 210 215 220
 Gln Val Leu Gly Lys Asp Leu Leu Leu Pro Gln Pro Asp Leu Arg Tyr
 225 230 235 240
 Leu Phe Leu Asn Gly Asn Lys Leu Ala Arg Val Ala Ala Gly Ala Phe
 245 250 255
 Gln Gly Leu Arg Gln Leu Asp Met Leu Asp Leu Ser Asn Asn Ser Leu
 260 265 270
 Ala Ser Val Pro Glu Gly Leu Trp Ala Ser Leu Gly Gln Pro Asn Trp
 275 280 285
 Asp Met Arg Asp Gly Phe Asp Ile Ser Gly Asn Pro Trp Ile Cys Asp
 290 295 300
 Gln Asn Leu Ser Asp Leu Tyr Arg Trp Leu Gln Ala Gln Lys Asp Lys
 305 310 315 320
 Met Phe Ser Gln Asn Asp Thr Arg Cys Ala Gly Pro Glu Ala Val Lys
 325 330 335
 Gly Gln Thr Leu Leu Ala Val Ala Lys Ser Gln
 340 345

<210> 1275

<211> 347

<212> PRT

<213> Homo sapiens

<400> 1275

Met Ser Ser Trp Ser Arg Gln Arg Pro Lys Ser Pro Gly Gly Ile Gln
 1 5 10 15

Pro His Val Ser Arg Thr Leu Phe Leu Leu Leu Leu Ala Ala Ser
 20 25 30

Ala Trp Gly Val Thr Leu Ser Pro Lys Asp Cys Gln Val Phe Arg Ser

35					40					45					
Asp	His	Gly	Ser	Ser	Ile	Ser	Cys	Gln	Pro	Pro	Ala	Glu	Ile	Pro	Gly
50						55					60				
Tyr	Leu	Pro	Ala	Asp	Thr	Val	His	Leu	Ala	Val	Glu	Phe	Phe	Asn	Leu
65					70					75					80
Thr	His	Leu	Pro	Ala	Asn	Leu	Leu	Gln	Gly	Ala	Ser	Lys	Leu	Gln	Glu
				85					90					95	
Leu	His	Leu	Ser	Ser	Asn	Gly	Leu	Glu	Ser	Leu	Ser	Pro	Glu	Phe	Leu
			100					105					110		
Arg	Pro	Val	Pro	Gln	Leu	Arg	Val	Leu	Asp	Leu	Thr	Arg	Asn	Ala	Leu
		115					120					125			
Thr	Gly	Leu	Pro	Ser	Gly	Leu	Phe	Gln	Ala	Ser	Ala	Thr	Leu	Asp	Thr
	130					135					140				
Leu	Val	Leu	Lys	Glu	Asn	Gln	Leu	Glu	Val	Leu	Glu	Val	Ser	Trp	Leu
145					150					155					160
His	Gly	Leu	Lys	Ala	Leu	Gly	His	Leu	Asp	Leu	Ser	Gly	Asn	Arg	Leu
				165					170					175	
Arg	Lys	Leu	Pro	Pro	Gly	Leu	Leu	Ala	Asn	Phe	Thr	Leu	Leu	Arg	Thr
			180					185						190	
Leu	Asp	Leu	Gly	Glu	Asn	Gln	Leu	Glu	Thr	Leu	Pro	Pro	Asp	Leu	Leu
	195						200					205			
Arg	Gly	Pro	Leu	Gln	Leu	Glu	Arg	Leu	His	Leu	Glu	Gly	Asn	Lys	Leu
	210					215					220				
Gln	Val	Leu	Gly	Lys	Asp	Leu	Leu	Leu	Pro	Gln	Pro	Asp	Leu	Arg	Tyr
225					230					235					240
Leu	Phe	Leu	Asn	Gly	Asn	Lys	Leu	Ala	Arg	Val	Ala	Ala	Gly	Ala	Phe
				245					250					255	
Gln	Gly	Leu	Arg	Gln	Leu	Asp	Met	Leu	Asp	Leu	Ser	Asn	Asn	Ser	Leu
			260					265					270		
Ala	Ser	Val	Pro	Glu	Gly	Leu	Trp	Ala	Ser	Leu	Gly	Gln	Pro	Asn	Trp
		275					280					285			
Asp	Met	Arg	Asp	Gly	Phe	Asp	Ile	Ser	Gly	Asn	Pro	Trp	Ile	Cys	Asp
	290					295					300				
Gln	Asn	Leu	Ser	Asp	Leu	Tyr	Arg	Trp	Leu	Gln	Ala	Gln	Lys	Asp	Lys
305					310					315					320
Met	Phe	Ser	Gln	Asn	Asp	Thr	Arg	Cys	Ala	Gly	Pro	Glu	Ala	Val	Lys
				325					330					335	
Gly	Gln	Thr	Leu	Leu	Ala	Val	Ala	Lys	Ser	Gln					

<210> 1276
 <211> 286
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (173)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1276
 Met Leu Met Leu Met Leu Leu Met Met Phe Ala Val His Cys Thr Trp
 1 5 10 15
 Val Thr Ser Asn Ala Tyr Ser Ser Pro Ser Val Val Leu Ala Ser Tyr
 20 25 30
 Asn His Asp Gly Thr Arg Asn Ile Leu Asp Asp Phe Arg Glu Ala Tyr
 35 40 45
 Phe Trp Leu Arg Gln Asn Thr Asp Glu His Ala Arg Val Met Ser Trp
 50 55 60
 Trp Asp Tyr Gly Tyr Gln Ile Ala Gly Met Ala Asn Arg Thr Thr Leu
 65 70 75 80
 Val Asp Asn Asn Thr Trp Asn Asn Ser His Ile Ala Leu Val Gly Lys
 85 90 95
 Ala Met Ser Ser Asn Glu Thr Ala Ala Tyr Lys Ile Met Arg Thr Leu
 100 105 110
 Asp Val Asp Tyr Val Leu Val Ile Phe Gly Gly Val Ile Gly Tyr Ser
 115 120 125
 Gly Asp Asp Ile Asn Lys Phe Leu Trp Met Val Arg Ile Ala Glu Gly
 130 135 140
 Glu His Pro Lys Asp Ile Arg Glu Ser Asp Tyr Phe Thr Pro Gln Gly
 145 150 155 160
 Glu Phe Arg Val Asp Lys Ala Gly Ser Pro Thr Leu Xaa Asn Cys Leu
 165 170 175
 Met Tyr Lys Met Ser Tyr Tyr Arg Phe Gly Glu Met Gln Leu Asp Phe
 180 185 190
 Arg Thr Pro Pro Gly Phe Asp Arg Thr Arg Asn Ala Glu Ile Gly Asn
 195 200 205
 Lys Asp Ile Lys Phe Lys His Leu Glu Glu Ala Phe Thr Ser Glu His
 210 215 220

Trp	Leu	Val	Arg	Ile	Tyr	Lys	Val	Lys	Ala	Pro	Asp	Asn	Arg	Glu	Thr
225					230				235					240	
Leu	Asp	His	Lys	Pro	Arg	Val	Thr	Asn	Ile	Phe	Pro	Lys	Gln	Lys	Tyr
			245					250					255		
Leu	Ser	Lys	Lys	Thr	Thr	Lys	Arg	Lys	Arg	Gly	Tyr	Ile	Lys	Asn	Lys
		260						265					270		
Leu	Val	Phe	Lys	Lys	Gly	Lys	Lys	Ile	Ser	Lys	Lys	Thr	Val		
	275						280					285			

<210> 1277
 <211> 286
 <212> PRT
 <213> Homo sapiens

<400> 1277

Met	Leu	Met	Leu	Met	Leu	Leu	Met	Met	Phe	Ala	Val	His	Cys	Thr	Trp
1				5					10					15	
Val	Thr	Ser	Asn	Ala	Tyr	Ser	Ser	Pro	Ser	Val	Val	Leu	Ala	Ser	Tyr
			20					25					30		
Asn	His	Asp	Gly	Thr	Arg	Asn	Ile	Leu	Asp	Asp	Phe	Arg	Glu	Ala	Tyr
		35					40					45			
Phe	Trp	Leu	Arg	Gln	Asn	Thr	Asp	Glu	His	Ala	Arg	Val	Met	Ser	Trp
	50					55					60				
Trp	Asp	Tyr	Gly	Tyr	Gln	Ile	Ala	Gly	Met	Ala	Asn	Arg	Thr	Thr	Leu
65					70					75					80
Val	Asp	Asn	Asn	Thr	Trp	Asn	Asn	Ser	His	Ile	Ala	Leu	Val	Gly	Lys
				85					90					95	
Ala	Met	Ser	Ser	Asn	Glu	Thr	Ala	Ala	Tyr	Lys	Ile	Met	Arg	Thr	Leu
			100					105					110		
Asp	Val	Asp	Tyr	Val	Leu	Val	Ile	Phe	Gly	Gly	Val	Ile	Gly	Tyr	Ser
		115					120					125			
Gly	Asp	Asp	Ile	Asn	Lys	Phe	Leu	Trp	Met	Val	Arg	Ile	Ala	Glu	Gly
	130					135					140				
Glu	His	Pro	Lys	Asp	Ile	Arg	Glu	Ser	Asp	Tyr	Phe	Thr	Pro	Gln	Gly
145					150					155					160
Glu	Phe	Arg	Val	Asp	Lys	Ala	Gly	Ser	Pro	Thr	Leu	Leu	Asn	Cys	Leu
			165						170					175	
Met	Tyr	Lys	Met	Ser	Tyr	Tyr	Arg	Phe	Gly	Glu	Met	Gln	Leu	Asp	Phe
			180					185					190		
Arg	Thr	Pro	Pro	Gly	Phe	Asp	Arg	Thr	Arg	Asn	Ala	Glu	Ile	Gly	Asn

195					200					205						
Lys	Asp	Ile	Lys	Phe	Lys	His	Leu	Glu	Glu	Ala	Phe	Thr	Ser	Glu	His	
210					215					220						
Trp	Leu	Val	Arg	Ile	Tyr	Lys	Val	Lys	Ala	Pro	Asp	Asn	Arg	Glu	Thr	
225					230					235					240	
Leu	Asp	His	Lys	Pro	Arg	Val	Thr	Asn	Ile	Phe	Pro	Lys	Gln	Lys	Tyr	
245					250					255						
Leu	Ser	Lys	Lys	Thr	Thr	Lys	Arg	Lys	Arg	Gly	Tyr	Ile	Lys	Asn	Lys	
260					265					270						
Leu	Val	Phe	Lys	Lys	Gly	Lys	Lys	Ile	Ser	Lys	Lys	Thr	Val			
275					280					285						

<210> 1278
 <211> 135
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (134)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1278
 Met Ser Ala Leu Arg Pro Leu Leu Leu Leu Leu Leu Pro Leu Cys Pro
 1 5 10 15
 Gly Pro Gly Pro Gly Pro Gly Ser Glu Ala Lys Val Thr Arg Ser Cys
 20 25 30
 Ala Glu Thr Arg Gln Val Leu Gly Ala Arg Gly Tyr Ser Leu Asn Leu
 35 40 45
 Ile Pro Pro Ala Leu Ile Ser Gly Glu His Leu Arg Val Cys Pro Gln
 50 55 60
 Glu Tyr Thr Cys Cys Ser Ser Glu Thr Glu Gln Arg Leu Ile Arg Glu
 65 70 75 80
 Thr Glu Ala Thr Phe Arg Gly Leu Val Glu Asp Ser Gly Ser Phe Leu
 85 90 95
 Val His Thr Leu Ala Ala Arg His Arg Lys Phe Asp Asp Asn Pro Asp
 100 105 110
 Pro Gly Gly Cys Pro Ser Leu Leu Cys Lys Ala Trp Arg Leu Glu Glu
 115 120 125
 Met Trp Ser Ser Glu Xaa Ala
 130 135

<210> 1279
<211> 134
<212> PRT
<213> Homo sapiens

<400> 1279
Met Ser Ala Leu Arg Pro Leu Leu Leu Leu Leu Leu Pro Leu Cys Pro
1 5 10 15
Gly Pro Gly Pro Gly Pro Gly Ser Glu Ala Lys Val Thr Arg Ser Cys
20 25 30
Ala Glu Thr Arg Gln Val Leu Gly Ala Arg Gly Tyr Ser Leu Asn Leu
35 40 45
Ile Pro Pro Ala Leu Ile Ser Gly Glu His Leu Arg Val Cys Pro Gln
50 55 60
Glu Tyr Thr Cys Cys Ser Ser Glu Thr Glu Gln Arg Leu Ile Arg Glu
65 70 75 80
Thr Glu Ala Thr Phe Arg Gly Leu Val Glu Asp Ser Gly Ser Phe Leu
85 90 95
Val His Thr Leu Ala Ala Arg His Arg Lys Phe Asp Asp Asn Pro Asp
100 105 110
Pro Gly Gly Cys Pro Ser Leu Cys Ala Gly Pro Gly Asp Trp Lys Lys
115 120 125
Cys Gly Gln Arg Cys Ala
130

<210> 1280
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1280
Cys Ala Leu Xaa Phe Glu Phe Phe Phe Phe Phe Phe Leu Arg Trp
1 5 10 15
Ser Leu Gly Asn Lys Ala Arg Leu Xaa Gln Lys Lys Lys Lys Lys Lys

65		70		75		80									
Ala	Phe	Arg	Arg	Leu	Arg	Asn	Leu	Asn	Thr	Leu	Leu	Leu	Asn	Asn	Asn
				85					90					95	
Gln	Ile	Lys	Arg	Ile	Pro	Ser	Gly	Ala	Phe	Glu	Asp	Leu	Glu	Asn	Leu
			100					105					110		
Lys	Tyr	Leu	Tyr	Leu	His	Phe	Asn	Gln	Ile	Glu	Thr	Leu	Asp	Pro	Asp
		115					120					125			
Ser	Phe	Gln	His	Leu	Pro	Lys	Leu	Glu	Arg	Leu	Phe	Leu	His	Asn	Asn
	130					135					140				
Arg	Ile	Thr	His	Leu	Val	Pro	Gly	Thr	Phe	Asn	His	Leu	Glu	Ser	Met
145					150					155					160
Lys	Arg	Leu	Arg	Leu	Asp	Ser	Asn	Thr	Leu	His	Cys	Asp	Cys	Glu	Ile
				165					170					175	
Leu	Trp	Leu	Arg	Ile	Cys										
				180											

<210> 1284
 <211> 550
 <212> PRT
 <213> Homo sapiens

<400> 1284															
Ala	Leu	Pro	Gln	Gln	Ala	Ala	Val	Ala	Gly	Ile	Val	Gln	Arg	Ser	Gly
1				5					10					15	
Lys	Pro	Leu	Leu	Pro	Phe	Ala	Thr	Gly	Pro	Pro	Thr	Glu	Cys	Met	Arg
			20					25					30		
Asp	Glu	Asn	Glu	Ser	Pro	Ile	Pro	Cys	Phe	Leu	Ala	Gly	Asp	His	Arg
		35					40					45			
Ala	Asn	Glu	Gln	Leu	Gly	Leu	Thr	Ser	Met	His	Thr	Leu	Trp	Phe	Arg
	50					55					60				
Glu	His	Asn	Arg	Ile	Ala	Thr	Glu	Leu	Leu	Lys	Leu	Asn	Pro	His	Trp
65					70					75					80
Asp	Gly	Asp	Thr	Ile	Tyr	Tyr	Glu	Thr	Arg	Lys	Ile	Val	Gly	Ala	Glu
				85					90					95	
Ile	Gln	His	Ile	Thr	Tyr	Gln	His	Trp	Leu	Pro	Lys	Ile	Leu	Gly	Glu
			100					105					110		
Val	Gly	Met	Arg	Thr	Leu	Gly	Glu	Tyr	His	Gly	Tyr	Asp	Pro	Gly	Ile
		115					120					125			
Asn	Ala	Gly	Ile	Phe	Asn	Ala	Phe	Ala	Thr	Ala	Ala	Phe	Arg	Phe	Gly
	130					135					140				

His	Thr	Leu	Val	Asn	Pro	Leu	Leu	Tyr	Arg	Leu	Asp	Glu	Asn	Phe	Gln	145	150	155	160
Pro	Ile	Ala	Gln	Asp	His	Leu	Pro	Leu	His	Lys	Ala	Phe	Phe	Ser	Pro	165	170	175	
Phe	Arg	Ile	Val	Asn	Glu	Gly	Gly	Ile	Asp	Pro	Leu	Leu	Arg	Gly	Leu	180	185	190	
Phe	Gly	Val	Ala	Gly	Lys	Met	Arg	Val	Pro	Ser	Gln	Leu	Leu	Asn	Thr	195	200	205	
Glu	Leu	Thr	Glu	Arg	Leu	Phe	Ser	Met	Ala	His	Thr	Val	Ala	Leu	Asp	210	215	220	
Leu	Ala	Ala	Ile	Asn	Ile	Gln	Arg	Gly	Arg	Asp	His	Gly	Ile	Pro	Pro	225	230	235	240
Tyr	His	Asp	Tyr	Arg	Val	Tyr	Cys	Asn	Leu	Ser	Ala	Ala	His	Thr	Phe	245	250	255	
Glu	Asp	Leu	Lys	Asn	Glu	Ile	Lys	Asn	Pro	Glu	Ile	Arg	Glu	Lys	Leu	260	265	270	
Lys	Arg	Leu	Tyr	Gly	Ser	Thr	Leu	Asn	Ile	Asp	Leu	Phe	Pro	Ala	Leu	275	280	285	
Val	Val	Glu	Asp	Leu	Val	Pro	Gly	Ser	Arg	Leu	Gly	Pro	Thr	Leu	Met	290	295	300	
Cys	Leu	Leu	Ser	Thr	Gln	Phe	Lys	Arg	Leu	Arg	Asp	Gly	Asp	Arg	Leu	305	310	315	320
Trp	Tyr	Glu	Asn	Pro	Gly	Val	Phe	Ser	Pro	Ala	Gln	Leu	Thr	Gln	Ile	325	330	335	
Lys	Gln	Thr	Ser	Leu	Ala	Arg	Ile	Leu	Cys	Asp	Asn	Ala	Asp	Asn	Ile	340	345	350	
Thr	Arg	Val	Gln	Ser	Asp	Val	Phe	Arg	Val	Ala	Glu	Phe	Pro	His	Gly	355	360	365	
Tyr	Gly	Ser	Cys	Asp	Glu	Ile	Pro	Arg	Val	Asp	Leu	Arg	Val	Trp	Gln	370	375	380	
Asp	Cys	Cys	Glu	Asp	Cys	Arg	Thr	Arg	Gly	Gln	Phe	Asn	Ala	Phe	Ser	385	390	395	400
Tyr	His	Phe	Arg	Gly	Arg	Arg	Ser	Leu	Glu	Phe	Ser	Tyr	Gln	Glu	Asp	405	410	415	
Lys	Pro	Thr	Lys	Lys	Thr	Arg	Pro	Arg	Lys	Ile	Pro	Ser	Val	Gly	Arg	420	425	430	
Gln	Gly	Glu	His	Leu	Ser	Asn	Ser	Thr	Ser	Ala	Phe	Ser	Thr	Arg	Ser	435	440	445	

Asp Ala Ser Gly Thr Asn Asp Phe Arg Glu Phe Val Leu Glu Met Gln
 450 455 460
 Lys Thr Ile Thr Asp Leu Arg Thr Gln Ile Lys Lys Leu Glu Ser Arg
 465 470 475 480
 Leu Ser Thr Thr Glu Cys Val Asp Ala Gly Gly Glu Ser His Ala Asn
 485 490 495
 Asn Thr Lys Trp Lys Lys Asp Ala Cys Thr Ile Cys Glu Cys Lys Asp
 500 505 510
 Gly Gln Val Thr Cys Phe Val Glu Ala Cys Pro Pro Ala Thr Cys Ala
 515 520 525
 Val Pro Val Asn Ile Pro Gly Ala Cys Cys Pro Val Cys Leu Gln Lys
 530 535 540
 Arg Ala Glu Glu Lys Pro
 545 550

<210> 1285
 <211> 210
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (139)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (187)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1285
 Met Glu Ala Pro Gly Pro Arg Ala Leu Arg Thr Ala Leu Cys Gly Gly
 1 5 10 15
 Cys Cys Cys Leu Leu Leu Cys Ala Gln Leu Ala Val Ala Gly Lys Gly
 20 25 30
 Ala Arg Gly Phe Gly Arg Gly Ala Leu Ile Arg Leu Asn Ile Trp Pro
 35 40 45
 Ala Val Gln Gly Ala Cys Lys Gln Leu Glu Val Cys Glu His Cys Val
 50 55 60
 Glu Gly Asp Arg Ala Arg Asn Leu Ser Ser Cys Met Trp Glu Gln Cys
 65 70 75 80
 Arg Pro Glu Glu Pro Gly His Cys Val Ala Gln Ser Glu Val Val Lys
 85 90 95

Glu	Gly	Cys	Ser	Ile	Tyr	Asn	Arg	Ser	Glu	Ala	Cys	Pro	Ala	Ala	His
			100					105					110		
His	His	Pro	Thr	Tyr	Glu	Pro	Lys	Thr	Val	Thr	Thr	Gly	Ser	Pro	Pro
		115					120					125			
Val	Pro	Glu	Ala	His	Ser	Pro	Gly	Phe	Asp	Xaa	Ala	Ser	Phe	Ile	Gly
	130					135					140				
Gly	Val	Val	Leu	Val	Leu	Ser	Leu	Gln	Ala	Val	Ala	Phe	Phe	Val	Leu
145					150					155					160
Thr	Ser	Ser	Arg	Pro	Arg	Thr	Ala	Pro	Thr	Arg	Arg	Cys	Glu	Tyr	Leu
				165					170					175	
Ala	Ser	Ser	Lys	Tyr	Leu	Ser	Pro	Ser	Ser	Xaa	Leu	Val	Pro	Ala	His
			180					185					190		
Val	Pro	Phe	Ser	Thr	Gln	Gly	Ala	Val	Phe	Ser	Thr	Gly	Lys	Pro	Ser
		195					200					205			
Gly	Arg														
	210														

<210> 1286
 <211> 173
 <212> PRT
 <213> Homo sapiens

<400> 1286

Met	Glu	Ala	Pro	Gly	Pro	Arg	Ala	Leu	Arg	Thr	Ala	Leu	Cys	Gly	Gly
1				5					10					15	
Cys	Cys	Cys	Leu	Leu	Leu	Cys	Ala	Gln	Leu	Ala	Val	Ala	Gly	Lys	Gly
			20					25					30		
Ala	Arg	Gly	Phe	Gly	Arg	Gly	Ala	Leu	Ile	Arg	Leu	Asn	Ile	Trp	Pro
		35					40					45			
Ala	Val	Gln	Gly	Ala	Cys	Lys	Gln	Leu	Glu	Val	Cys	Glu	His	Cys	Val
	50					55					60				
Glu	Gly	Asp	Arg	Ala	Arg	Asn	Leu	Ser	Ser	Cys	Met	Trp	Glu	Gln	Cys
65					70					75				80	
Arg	Pro	Glu	Glu	Pro	Gly	His	Cys	Val	Ala	Gln	Ser	Glu	Val	Val	Lys
				85					90					95	
Glu	Gly	Cys	Ser	Ile	Tyr	Asn	Arg	Ser	Glu	Ala	Cys	Pro	Ala	Ala	His
			100					105					110		
His	His	Pro	Thr	Tyr	Glu	Pro	Lys	Thr	Val	Thr	Thr	Gly	Ser	Pro	Pro
			115				120					125			

Val Pro Glu Ala His Ser Pro Gly Phe Asp Gly Ala Ser Phe Ile Gly
130 135 140

Gly Val Val Leu Val Leu Ser Leu Gln Ala Val Ala Phe Phe Val Leu
145 150 155 160

His Phe Leu Lys Ala Lys Asp Ser Thr Tyr Gln Thr Leu
165 170

<210> 1287

<211> 148

<212> PRT

<213> Homo sapiens

<400> 1287

Met Thr Trp Lys Ile Lys Leu Arg Ser Ala Val Tyr Leu Ser Asp Ala
1 5 10 15

Thr Val Thr Thr Leu Gly Asn Leu Val Pro Phe Thr Leu Thr Leu Leu
20 25 30

Cys Phe Leu Leu Leu Ile Cys Ser Leu Cys Lys His Leu Lys Lys Met
35 40 45

Gln Leu His Gly Lys Gly Ser Gln Asp Pro Ser Thr Lys Val His Ile
50 55 60

Lys Val Leu Gln Thr Val Ile Phe Phe Leu Leu Leu Cys Ala Ile Tyr
65 70 75 80

Phe Leu Ser Ile Met Ile Ser Val Trp Ser Phe Gly Ser Leu Glu Asn
85 90 95

Lys Pro Val Phe Met Phe Cys Lys Ala Ile Arg Phe Ser Tyr Pro Ser
100 105 110

Ile His Pro Phe Ile Leu Ile Trp Gly Asn Lys Lys Leu Lys Gln Thr
115 120 125

Phe Leu Ser Val Leu Arg Gln Val Arg Tyr Trp Val Lys Gly Glu Lys
130 135 140

Pro Ser Ser Pro
145

<210> 1288

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1288

Asn Glu Arg Val Leu Thr Tyr Ser Leu Ile Gly Ser Ser Ile Ile Arg
1 5 10 15

Lys Lys Cys Thr Val Leu Phe Thr Ala Lys Phe Tyr Leu Thr Val Leu
20 25 30

Ile Leu Gly Val Met Lys Phe Lys Gln Cys Asp Leu Asn Leu Lys Lys
35 40 45

Lys Lys Lys Lys Gly Arg Pro
50 55

<210> 1289

<211> 273

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (200)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1289

Met Arg Leu Pro Gly Val Pro Leu Ala Arg Pro Ala Leu Leu Leu Leu
1 5 10 15

Leu Pro Leu Leu Ala Pro Leu Leu Gly Thr Gly Ala Pro Ala Glu Leu
20 25 30

Arg Val Arg Val Arg Leu Pro Asp Gly Gln Val Thr Glu Glu Ser Leu
35 40 45

Gln Ala Asp Ser Asp Ala Asp Ser Ile Ser Leu Glu Leu Arg Lys Pro
50 55 60

Asp Gly Thr Leu Val Ser Phe Thr Ala Asp Phe Lys Lys Asp Val Lys
65 70 75 80

Val Phe Arg Ala Leu Ile Leu Gly Glu Leu Glu Lys Gly Gln Ser Gln
85 90 95

Phe Gln Ala Leu Cys Phe Val Thr Gln Leu Gln His Asn Glu Ile Ile
100 105 110

Pro Ser Glu Ala Met Ala Lys Leu Arg Gln Lys Asn Pro Arg Ala Val
115 120 125

Arg Gln Ala Glu Glu Val Arg Gly Leu Glu His Leu His Met Asp Val
130 135 140

Ala Val Asn Phe Ser Gln Gly Ala Leu Leu Ser Pro His Leu His Asn
145 150 155 160

Val Cys Ala Glu Ala Val Asp Ala Ile Tyr Thr Arg Gln Glu Asp Val
165 170 175

Arg Phe Trp Leu Glu Gln Gly Val Asp Ser Ser Val Phe Glu Ala Leu

			180					185					190			
Pro	Lys	Ala	Ser	Glu	Gln	Ala	Xaa	Leu	Pro	Arg	Cys	Arg	Gln	Val	Gly	
		195					200					205				
Asp	Arg	Gly	Lys	Pro	Cys	Val	Cys	His	Tyr	Gly	Leu	Ser	Leu	Ala	Trp	
	210					215					220					
Tyr	Pro	Cys	Met	Leu	Lys	Tyr	Cys	His	Ser	Arg	Asp	Arg	Pro	Thr	Pro	
225					230					235					240	
Tyr	Lys	Cys	Gly	Ile	Arg	Ser	Cys	Gln	Lys	Ser	Tyr	Ser	Phe	Asp	Phe	
				245					250					255		
Tyr	Val	Pro	Gln	Arg	Gln	Leu	Cys	Leu	Trp	Asp	Glu	Asp	Pro	Tyr	Pro	
			260					265					270			

Gly

<210> 1290
 <211> 273
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (217)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1290

Met	Arg	Leu	Pro	Gly	Val	Pro	Leu	Ala	Arg	Pro	Ala	Leu	Leu	Leu	Leu	
1				5					10					15		
Leu	Pro	Leu	Leu	Ala	Pro	Leu	Leu	Gly	Thr	Gly	Ala	Pro	Ala	Glu	Leu	
			20					25					30			
Arg	Val	Arg	Val	Arg	Leu	Pro	Asp	Gly	Gln	Val	Thr	Glu	Glu	Ser	Leu	
		35					40					45				
Gln	Ala	Asp	Ser	Asp	Ala	Asp	Ser	Ile	Ser	Leu	Glu	Leu	Arg	Lys	Pro	
	50					55					60					
Asp	Gly	Thr	Leu	Val	Ser	Phe	Thr	Ala	Asp	Phe	Lys	Lys	Asp	Val	Lys	
65					70					75					80	
Val	Phe	Arg	Ala	Leu	Ile	Leu	Gly	Glu	Leu	Glu	Lys	Gly	Gln	Ser	Gln	
				85					90					95		
Phe	Gln	Ala	Leu	Cys	Phe	Val	Thr	Gln	Leu	Gln	His	Asn	Glu	Ile	Ile	
		100						105					110			
Pro	Ser	Glu	Ala	Met	Ala	Lys	Leu	Arg	Gln	Lys	Asn	Pro	Arg	Ala	Val	
		115					120					125				

Arg	Gln	Ala	Glu	Glu	Val	Arg	Gly	Leu	Glu	His	Leu	His	Met	Asp	Val
130						135					140				
Ala	Val	Asn	Phe	Ser	Gln	Gly	Ala	Leu	Leu	Ser	Pro	His	Leu	His	Asn
145					150					155					160
Val	Cys	Ala	Glu	Ala	Val	Asp	Ala	Ile	Tyr	Thr	Arg	Gln	Glu	Asp	Val
				165					170					175	
Arg	Phe	Trp	Leu	Glu	Gln	Gly	Val	Asp	Ser	Ser	Val	Phe	Glu	Ala	Leu
			180					185					190		
Pro	Lys	Ala	Ser	Glu	Gln	Ala	Glu	Leu	Pro	Arg	Cys	Arg	Gln	Val	Gly
		195					200					205			
Asp	Arg	Gly	Lys	Pro	Cys	Val	Cys	Xaa	Tyr	Gly	Leu	Ser	Leu	Ala	Trp
	210					215					220				
Tyr	Pro	Cys	Met	Leu	Lys	Tyr	Cys	His	Ser	Arg	Asp	Arg	Pro	Thr	Pro
225					230					235					240
Tyr	Lys	Cys	Gly	Ile	Arg	Ser	Cys	Gln	Lys	Ser	Tyr	Ser	Phe	Asp	Phe
				245					250					255	
Tyr	Val	Pro	Gln	Arg	Gln	Leu	Cys	Leu	Trp	Asp	Glu	Asp	Pro	Tyr	Pro
			260					265					270		

Gly

<210> 1291
 <211> 934
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (225)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (596)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (852)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1291
 Met Leu Ala Gly Cys Phe Leu Leu Ile Leu Gly Gln Ile Val Leu Leu
 1 5 10 15

Pro Ala Glu Ala Arg Glu Arg Ser Arg Gly Arg Ser Ile Ser Arg Gly

20					25					30					
Arg	His	Ala	Arg	Thr	His	Pro	Gln	Thr	Ala	Leu	Leu	Glu	Ser	Ser	Cys
		35					40					45			
Glu	Asn	Lys	Arg	Ala	Asp	Leu	Val	Phe	Ile	Ile	Asp	Ser	Ser	Arg	Ser
	50					55					60				
Val	Asn	Thr	His	Asp	Tyr	Ala	Lys	Val	Lys	Glu	Phe	Ile	Val	Asp	Ile
	65					70					75				80
Leu	Gln	Phe	Leu	Asp	Ile	Gly	Pro	Asp	Val	Thr	Arg	Val	Gly	Leu	Leu
				85					90					95	
Gln	Tyr	Gly	Ser	Thr	Val	Lys	Asn	Glu	Phe	Ser	Leu	Lys	Thr	Phe	Lys
			100					105					110		
Arg	Lys	Ser	Glu	Val	Glu	Arg	Ala	Val	Lys	Arg	Met	Arg	His	Leu	Ser
		115					120					125			
Thr	Gly	Thr	Met	Thr	Gly	Leu	Ala	Ile	Gln	Tyr	Ala	Leu	Asn	Ile	Ala
	130					135					140				
Phe	Ser	Glu	Ala	Glu	Gly	Ala	Arg	Pro	Leu	Arg	Glu	Asn	Val	Pro	Arg
	145					150					155				160
Val	Ile	Met	Ile	Val	Thr	Asp	Gly	Arg	Pro	Gln	Asp	Ser	Val	Ala	Glu
				165					170					175	
Val	Ala	Ala	Lys	Ala	Arg	Asp	Thr	Gly	Ile	Leu	Ile	Phe	Ala	Ile	Gly
			180					185					190		
Val	Gly	Gln	Val	Asp	Phe	Asn	Thr	Leu	Lys	Ser	Ile	Gly	Ser	Glu	Pro
		195					200					205			
His	Glu	Asp	His	Val	Phe	Leu	Val	Ala	Asn	Phe	Ser	Gln	Ile	Glu	Thr
	210					215					220				
Xaa	Thr	Ser	Val	Phe	Gln	Lys	Lys	Leu	Cys	Thr	Ala	His	Met	Cys	Ser
	225					230					235				240
Thr	Leu	Glu	His	Asn	Cys	Ala	His	Phe	Cys	Ile	Asn	Ile	Pro	Gly	Ser
				245					250					255	
Tyr	Val	Cys	Arg	Cys	Lys	Gln	Gly	Tyr	Ile	Leu	Asn	Ser	Asp	Gln	Thr
			260					265					270		
Thr	Cys	Arg	Ile	Gln	Asp	Leu	Cys	Ala	Met	Glu	Asp	His	Asn	Cys	Glu
		275					280					285			
Gln	Leu	Cys	Val	Asn	Val	Pro	Gly	Ser	Phe	Val	Cys	Gln	Cys	Tyr	Ser
	290					295					300				
Gly	Tyr	Ala	Leu	Ala	Glu	Asp	Gly	Lys	Arg	Cys	Val	Ala	Val	Asp	Tyr
	305					310					315				320
Cys	Ala	Ser	Glu	Asn	His	Gly	Cys	Glu	His	Glu	Cys	Val	Asn	Ala	Asp

325					330					335					
Gly	Ser	Tyr	Leu	Cys	Gln	Cys	His	Glu	Gly	Phe	Ala	Leu	Asn	Pro	Asp
			340					345					350		
Glu	Lys	Thr	Cys	Thr	Lys	Ile	Asp	Tyr	Cys	Ala	Ser	Ser	Asn	His	Gly
		355					360					365			
Cys	Gln	His	Glu	Cys	Val	Asn	Thr	Asp	Asp	Ser	Tyr	Ser	Cys	His	Cys
	370					375					380				
Leu	Lys	Gly	Phe	Thr	Leu	Asn	Pro	Asp	Lys	Lys	Thr	Cys	Arg	Arg	Ile
385					390					395					400
Asn	Tyr	Cys	Ala	Leu	Asn	Lys	Pro	Gly	Cys	Glu	His	Glu	Cys	Val	Asn
				405					410					415	
Met	Glu	Glu	Ser	Tyr	Tyr	Cys	Arg	Cys	His	Arg	Gly	Tyr	Thr	Leu	Asp
			420					425					430		
Pro	Asn	Gly	Lys	Thr	Cys	Ser	Arg	Val	Asp	His	Cys	Ala	Gln	Gln	Asp
		435					440					445			
His	Gly	Cys	Glu	Gln	Leu	Cys	Leu	Asn	Thr	Glu	Asp	Ser	Phe	Val	Cys
	450					455					460				
Gln	Cys	Ser	Glu	Gly	Phe	Leu	Ile	Asn	Glu	Asp	Leu	Lys	Thr	Cys	Ser
465					470					475					480
Arg	Val	Asp	Tyr	Cys	Leu	Leu	Ser	Asp	His	Gly	Cys	Glu	Tyr	Ser	Cys
				485					490					495	
Val	Asn	Met	Asp	Arg	Ser	Phe	Ala	Cys	Gln	Cys	Pro	Glu	Gly	His	Val
			500					505					510		
Leu	Arg	Ser	Asp	Gly	Lys	Thr	Cys	Ala	Lys	Leu	Asp	Ser	Cys	Ala	Leu
		515					520					525			
Gly	Asp	His	Gly	Cys	Glu	His	Ser	Cys	Val	Ser	Ser	Glu	Asp	Ser	Phe
	530					535					540				
Val	Cys	Gln	Cys	Phe	Glu	Gly	Tyr	Ile	Leu	Arg	Glu	Asp	Gly	Lys	Thr
545					550					555					560
Cys	Arg	Arg	Lys	Asp	Val	Cys	Gln	Ala	Ile	Asp	His	Gly	Cys	Glu	His
				565					570					575	
Ile	Cys	Val	Asn	Ser	Asp	Asp	Ser	Tyr	Thr	Cys	Glu	Cys	Leu	Glu	Gly
			580					585					590		
Phe	Arg	Leu	Xaa	Glu	Asp	Gly	Lys	Arg	Cys	Arg	Arg	Lys	Asp	Val	Cys
		595					600					605			
Lys	Ser	Thr	His	His	Gly	Cys	Glu	His	Ile	Cys	Val	Asn	Asn	Gly	Asn
	610					615					620				
Ser	Tyr	Ile	Cys	Lys	Cys	Ser	Glu	Gly	Phe	Val	Leu	Ala	Glu	Asp	Gly

[illegible]

<210> 1292
 <211> 794
 <212> PRT
 <213> Homo sapiens

<400> 1292

Met	Leu	Ala	Gly	Cys	Phe	Leu	Leu	Ile	Leu	Gly	Gln	Ile	Val	Leu	Leu
1				5					10					15	
Pro	Ala	Glu	Ala	Arg	Glu	Arg	Ser	Arg	Gly	Arg	Ser	Ile	Ser	Arg	Gly
			20					25					30		
Arg	His	Ala	Arg	Thr	His	Pro	Gln	Thr	Ala	Leu	Leu	Glu	Ser	Ser	Cys
		35					40					45			
Glu	Asn	Lys	Arg	Ala	Asp	Leu	Val	Phe	Ile	Ile	Asp	Ser	Ser	Arg	Ser
	50					55					60				
Val	Asn	Thr	His	Asp	Tyr	Ala	Lys	Val	Lys	Glu	Phe	Ile	Val	Asp	Ile
	65				70					75					80
Leu	Gln	Phe	Leu	Asp	Ile	Gly	Pro	Asp	Val	Thr	Arg	Val	Gly	Leu	Leu
				85					90					95	
Gln	Tyr	Gly	Ser	Thr	Val	Lys	Asn	Glu	Phe	Ser	Leu	Lys	Thr	Phe	Lys
			100					105					110		
Arg	Lys	Ser	Glu	Val	Glu	Arg	Ala	Val	Lys	Arg	Met	Arg	His	Leu	Ser
		115					120					125			
Thr	Gly	Thr	Met	Thr	Gly	Leu	Ala	Ile	Gln	Tyr	Ala	Leu	Asn	Ile	Ala
	130					135					140				
Phe	Ser	Glu	Ala	Glu	Gly	Ala	Arg	Pro	Leu	Arg	Glu	Asn	Val	Pro	Arg
145					150					155					160
Val	Ile	Met	Ile	Val	Thr	Asp	Gly	Arg	Pro	Gln	Asp	Ser	Val	Ala	Glu
				165					170					175	
Val	Ala	Ala	Lys	Ala	Arg	Asp	Thr	Gly	Ile	Leu	Ile	Phe	Ala	Ile	Gly
			180					185					190		
Val	Gly	Gln	Val	Asp	Phe	Asn	Thr	Leu	Lys	Ser	Ile	Gly	Ser	Glu	Pro
		195					200					205			
His	Glu	Asp	His	Val	Phe	Leu	Val	Ala	Asn	Phe	Ser	Gln	Ile	Glu	Thr
	210					215					220				
Leu	Thr	Ser	Val	Phe	Gln	Lys	Lys	Leu	Cys	Thr	Ala	His	Met	Cys	Ser
225					230					235					240
Thr	Leu	Glu	His	Asn	Cys	Ala	His	Phe	Cys	Ile	Asn	Ile	Pro	Gly	Ser
				245					250					255	

Tyr	Val	Cys	Arg	Cys	Lys	Gln	Gly	Tyr	Ile	Leu	Asn	Ser	Asp	Gln	Thr		
			260					265					270				
Thr	Cys	Arg	Ile	Gln	Asp	Leu	Cys	Ala	Met	Glu	Asp	His	Asn	Cys	Glu		
		275					280					285					
Gln	Leu	Cys	Val	Asn	Val	Pro	Gly	Ser	Phe	Val	Cys	Gln	Cys	Tyr	Ser		
	290					295					300						
Gly	Tyr	Ala	Leu	Ala	Glu	Asp	Gly	Lys	Arg	Cys	Val	Ala	Val	Asp	Tyr		
305					310					315					320		
Cys	Ala	Ser	Glu	Asn	His	Gly	Cys	Glu	His	Glu	Cys	Val	Asn	Ala	Asp		
				325					330					335			
Gly	Ser	Tyr	Leu	Cys	Gln	Cys	His	Glu	Gly	Phe	Ala	Leu	Asn	Pro	Asp		
			340					345					350				
Glu	Lys	Thr	Cys	Thr	Lys	Ile	Asp	Tyr	Cys	Ala	Ser	Ser	Asn	His	Gly		
		355					360					365					
Cys	Gln	His	Glu	Cys	Val	Asn	Thr	Asp	Asp	Ser	Tyr	Ser	Cys	His	Cys		
	370					375					380						
Leu	Lys	Gly	Phe	Thr	Leu	Asn	Pro	Asp	Lys	Lys	Thr	Cys	Arg	Arg	Ile		
385					390					395					400		
Asn	Tyr	Cys	Ala	Leu	Asn	Lys	Pro	Gly	Cys	Glu	His	Glu	Cys	Val	Asn		
				405					410					415			
Met	Glu	Glu	Ser	Tyr	Tyr	Cys	Arg	Cys	His	Arg	Gly	Tyr	Thr	Leu	Asp		
			420					425					430				
Pro	Asn	Gly	Lys	Thr	Cys	Ser	Arg	Val	Asp	His	Cys	Ala	Gln	Gln	Asp		
		435					440					445					
His	Gly	Cys	Glu	Gln	Leu	Cys	Leu	Asn	Thr	Glu	Asp	Ser	Phe	Val	Cys		
	450					455					460						
Gln	Cys	Ser	Glu	Gly	Phe	Leu	Ile	Asn	Glu	Asp	Leu	Lys	Thr	Cys	Ser		
465					470					475					480		
Arg	Val	Asp	Tyr	Cys	Leu	Leu	Ser	Asp	His	Gly	Cys	Glu	Tyr	Ser	Cys		
				485					490					495			
Val	Asn	Met	Asp	Arg	Ser	Phe	Ala	Cys	Gln	Cys	Pro	Glu	Gly	His	Val		
			500					505					510				
Leu	Arg	Ser	Asp	Gly	Lys	Thr	Cys	Ala	Lys	Leu	Asp	Ser	Cys	Ala	Leu		
		515					520					525					
Gly	Asp	His	Gly	Cys	Glu	His	Ser	Cys	Val	Ser	Ser	Glu	Asp	Ser	Phe		
	530					535					540						
Val	Cys	Gln	Cys	Phe	Glu	Gly	Tyr	Ile	Leu	Arg	Glu	Asp	Gly	Lys	Thr		
545					550					555					560		

Cys	Arg	Arg	Lys	Asp	Val	Cys	Gln	Ala	Ile	Asp	His	Gly	Cys	Glu	His		
				565					570					575			
Ile	Cys	Val	Asn	Ser	Asp	Asp	Ser	Tyr	Thr	Cys	Glu	Cys	Leu	Glu	Gly		
			580					585					590				
Phe	Arg	Leu	Ala	Glu	Asp	Gly	Lys	Arg	Cys	Arg	Arg	Lys	Asp	Val	Cys		
		595					600					605					
Lys	Ser	Thr	His	His	Gly	Cys	Glu	His	Ile	Cys	Val	Asn	Asn	Gly	Asn		
	610					615					620						
Ser	Tyr	Ile	Cys	Lys	Cys	Ser	Glu	Gly	Phe	Val	Leu	Ala	Glu	Asp	Gly		
625					630					635					640		
Arg	Arg	Cys	Lys	Lys	Cys	Thr	Glu	Gly	Pro	Ile	Asp	Leu	Val	Phe	Val		
				645					650					655			
Ile	Asp	Gly	Ser	Lys	Ser	Leu	Gly	Glu	Glu	Asn	Phe	Glu	Val	Val	Lys		
			660					665					670				
Gln	Phe	Val	Thr	Gly	Ile	Ile	Asp	Ser	Leu	Thr	Ile	Ser	Pro	Lys	Ala		
		675					680					685					
Ala	Arg	Val	Gly	Leu	Leu	Gln	Tyr	Ser	Thr	Gln	Val	His	Thr	Glu	Phe		
		690				695					700						
Thr	Leu	Arg	Asn	Phe	Asn	Ser	Ala	Lys	Asp	Met	Lys	Lys	Ala	Val	Ala		
705					710					715					720		
His	Met	Lys	Tyr	Met	Gly	Lys	Gly	Ser	Met	Thr	Gly	Leu	Ala	Leu	Lys		
				725					730					735			
His	Met	Phe	Glu	Arg	Ser	Phe	Thr	Gln	Gly	Glu	Gly	Ala	Arg	Pro	Leu		
			740					745					750				
Ser	Thr	Arg	Val	Pro	Arg	Ala	Ala	Ile	Val	Phe	Thr	Asp	Gly	Arg	Ala		
		755					760					765					
Gln	Asp	Asp	Val	Ser	Glu	Trp	Ala	Ser	Lys	Ala	Arg	Pro	Trp	Tyr	His		
	770					775					780						
Tyr	Val	Cys	Cys	Trp	Gly	Arg	Lys	Ser	His								
785					790												

<210> 1293
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 1293
 Met Arg Arg Pro Ala Ala Val Pro Leu Leu Leu Leu Cys Phe Gly
 1 5 10 15

Ser Gln Arg Ala Lys Ala Ala Thr Ala Cys Gly Arg Pro Arg Met Leu
20 25 30

Asn Arg Met Val Gly Gly Gln
35

<210> 1294

<211> 290

<212> PRT

<213> Homo sapiens

<400> 1294

Met Arg Arg Pro Ala Ala Val Pro Leu Leu Leu Leu Leu Cys Phe Gly
1 5 10 15

Ser Gln Arg Ala Lys Ala Ala Thr Ala Cys Gly Arg Pro Arg Met Leu
20 25 30

Asn Arg Met Val Gly Gly Gln Asp Thr Gln Glu Gly Glu Trp Pro Trp
35 40 45

Gln Val Ser Ile Gln Arg Asn Gly Ser His Phe Cys Gly Gly Ser Leu
50 55 60

Ile Ala Glu Gln Trp Val Leu Thr Ala Ala His Cys Phe Arg Asn Thr
65 70 75 80

Ser Glu Thr Ser Leu Tyr Gln Val Leu Leu Gly Ala Arg Gln Leu Val
85 90 95

Gln Pro Gly Pro His Ala Met Tyr Ala Arg Val Arg Gln Val Glu Ser
100 105 110

Asn Pro Leu Tyr Gln Gly Thr Ala Ser Ser Ala Asp Val Ala Leu Val
115 120 125

Glu Leu Glu Ala Pro Val Pro Phe Thr Asn Tyr Ile Leu Pro Val Cys
130 135 140

Leu Pro Asp Pro Ser Val Ile Phe Glu Thr Gly Met Asn Cys Trp Val
145 150 155 160

Thr Gly Trp Gly Ser Pro Ser Glu Glu Asp Leu Leu Pro Glu Pro Arg
165 170 175

Ile Leu Gln Lys Leu Ala Val Pro Ile Ile Asp Thr Pro Lys Cys Asn
180 185 190

Leu Leu Tyr Ser Lys Asp Thr Glu Phe Gly Tyr Gln Pro Lys Thr Ile
195 200 205

Lys Asn Asp Met Leu Cys Ala Gly Phe Glu Glu Gly Lys Lys Asp Ala
210 215 220

Cys Lys Gly Asp Ser Gly Gly Pro Leu Val Cys Leu Val Gly Gln Ser

Gln Gln Lys Ile Leu Thr Gln Val Gly Xaa Ala Leu Arg Thr Ile Lys
115 120 125

Pro Pro Val Leu Gly Pro Cys Trp Arg Ser Arg Arg Xaa Ser Ser Ser
130 135 140

<210> 1296
<211> 187
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1296
Thr Ser Arg Val Trp Cys Pro His Val Arg Arg Asn Arg Pro Ser Xaa
1 5 10 15

Gln Thr Ala Glu Pro Cys Ala Val Asn Trp Lys Ala Cys Lys Ala Thr
20 25 30

Val Gly Thr Ile Gly His Gly Cys Gly Pro Ala Ile Ala Leu Ala Val
35 40 45

Ala Gly Ile Phe Val Leu Leu Cys Gly Val Gly Ile Ser Arg Val Gln
50 55 60

Leu Leu Asp Ser Arg Ser Arg Xaa Ala Thr Ala Glu Ala Gln Gln Arg
65 70 75 80

Asp Ala Lys Arg Gln Glu Gln Glu Ala Lys Arg Ile Asn Asp Ala Asn
85 90 95

Gln Ala Ala Ile Leu Arg Leu Met Asn Glu Leu Gln Ser Val Ala Glu
100 105 110

Gly Asp Leu Thr Gln Glu Ala Thr Val Thr Glu Asp Ile Thr Gly Ala
115 120 125

Ile Ala Asp Ser Val Asn Tyr Thr Val Glu Glu Ser Ala Ser Trp Trp
130 135 140

Ala Thr Cys Arg Thr Pro Arg Pro Gly Trp Pro Arg Pro Pro Arg Arg
145 150 155 160

Trp Thr Ala Pro Leu Arg Asn Cys Trp Arg Leu Arg Pro Ser Ser Cys
165 170 175

Val Lys Ser Val Lys Arg Ala Val Arg Cys Ser
180 185

<210> 1297
<211> 346
<212> PRT
<213> Homo sapiens

<400> 1297
Met Leu Leu Gly Val Gly Leu Val Val Leu Ala Leu Ile Ala Gly Trp
1 5 10 15

Val Leu Gln Gln Ala Asn Arg Ser Ala Gln Gln Leu Thr Ala Thr Gly
20 25 30

Gln Ser Leu Met Gln Ser Gln Arg Leu Ala Lys Ser Val Ser Gln Ala
35 40 45

Leu Val Gly Ser Pro Gln Ala Phe Pro Asp Val Val Glu Ser Ser Gly
50 55 60

Val Leu Ala Arg Asn Val Arg Ala Leu Asn Gly Gly Asp Asn Glu Leu
65 70 75 80

Asp Val Gln Ala Leu Gly Glu Pro Phe Arg Pro Glu Leu Asp Ala Ile
85 90 95

Thr Pro Leu Val Glu Arg Ala Glu Arg Asn Ala Gly Val Val Met Gly
100 105 110

Gln Gln Lys Ile Leu Thr Gln Val Gly Asp Ala Leu Arg Thr Ile Asn
115 120 125

Arg Gln Ser Ser Asp Leu Leu Glu Ile Ala Glu Thr Val Ser Ser Leu
130 135 140

Lys Leu Gln Gln Asn Ala Pro Ala Ser Glu Ile Ser Ala Ala Gly Gln
145 150 155 160

Leu Val Met Leu Thr Gln Arg Ile Gly Lys Ser Ala Asn Glu Phe Gln
165 170 175

Thr Thr Glu Gly Val Ser Pro Glu Ala Val Phe Leu Leu Gly Lys Asp
180 185 190

Leu Asn Ser Phe Lys Glu Ile Ala Arg Gly Met Leu Asp Gly Ser Ala
195 200 205

Asp Leu Arg Leu Ala Ala Thr Arg Asp Ala Gln Thr Arg Glu Gln Leu
210 215 220

Glu	Ser	Leu	Ile	Lys	Leu	Tyr	Glu	Gln	Thr	Arg	Thr	Gln	Ala	Gly	Ala	225	230	235	240
Ile	Leu	Gly	Asn	Leu	Gln	Gly	Leu	Val	Ser	Ala	Arg	Glu	Ala	Gln	Ser	245	250	255	
Ala	Ile	Leu	Ala	Asp	Ser	Glu	Pro	Leu	Arg	Arg	Gln	Leu	Glu	Gly	Leu	260	265	270	
Gln	Ser	Lys	Leu	Ser	Ala	Gln	Ser	Gly	Met	Gly	Ala	Ala	Ser	Ser	Leu	275	280	285	
Arg	Ser	Pro	Ser	Pro	Val	Ser	Ser	Ser	Cys	Cys	Ala	Ala	Trp	Val	Phe	290	295	300	
Arg	Ala	Cys	Ser	Cys	Trp	Thr	Ala	Ala	Ala	Ala	Lys	Pro	Arg	Pro	Lys	305	310	315	320
His	Ser	Ser	Val	Met	Pro	Ser	Ala	Arg	Asn	Arg	Lys	Pro	Ser	Ala	Ser	325	330	335	
Thr	Thr	Pro	Thr	Arg	Arg	Pro	Phe	Cys	Asp							340	345		

<210> 1298
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 1298
 Met His Leu Val Gly Gly Thr Leu Leu Val Leu Ala Pro Arg Gly Ala
 1 5 10 15
 Val Leu Pro Leu Ser Ser Gln Ser Met Pro Phe Leu Gln
 20 25

<210> 1299
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 1299
 Met His Leu Val Gly Gly Thr Leu Leu Val Leu Ala Pro Arg Gly Ala
 1 5 10 15
 Val Leu Pro Leu Ser Ser Gln Ser Met Pro Phe Leu Gln
 20 25

<210> 1300
 <211> 299
 <212> PRT

<213> Homo sapiens

<400> 1300

Met	Gly	Thr	Lys	Ala	Gln	Val	Glu	Arg	Lys	Leu	Leu	Cys	Leu	Phe	Ile	
1				5					10					15		
Leu	Ala	Ile	Leu	Leu	Cys	Ser	Leu	Ala	Leu	Gly	Ser	Val	Thr	Val	His	
			20					25					30			
Ser	Ser	Glu	Pro	Glu	Val	Arg	Ile	Pro	Glu	Asn	Asn	Pro	Val	Lys	Leu	
		35					40					45				
Ser	Cys	Ala	Tyr	Ser	Gly	Phe	Ser	Ser	Pro	Arg	Val	Glu	Trp	Lys	Phe	
	50					55					60					
Asp	Gln	Gly	Asp	Thr	Thr	Arg	Leu	Val	Cys	Tyr	Asn	Asn	Lys	Ile	Thr	
65					70					75					80	
Ala	Ser	Tyr	Glu	Asp	Arg	Val	Thr	Phe	Leu	Pro	Thr	Gly	Ile	Thr	Phe	
				85					90						95	
Lys	Ser	Val	Thr	Arg	Glu	Asp	Thr	Gly	Thr	Tyr	Thr	Cys	Met	Val	Ser	
			100					105					110			
Glu	Glu	Gly	Gly	Asn	Ser	Tyr	Gly	Glu	Val	Lys	Val	Lys	Leu	Ile	Val	
		115					120					125				
Leu	Val	Pro	Pro	Ser	Lys	Pro	Thr	Val	Asn	Ile	Pro	Ser	Ser	Ala	Thr	
		130				135					140					
Ile	Gly	Asn	Arg	Ala	Val	Leu	Thr	Cys	Ser	Glu	Gln	Asp	Gly	Ser	Pro	
145					150					155					160	
Pro	Ser	Glu	Tyr	Thr	Trp	Phe	Lys	Asp	Gly	Ile	Val	Met	Pro	Thr	Asn	
				165					170					175		
Pro	Lys	Ser	Thr	Arg	Ala	Phe	Ser	Asn	Ser	Ser	Tyr	Val	Leu	Asn	Pro	
			180					185					190			
Thr	Thr	Gly	Glu	Leu	Val	Phe	Asp	Pro	Leu	Ser	Ala	Ser	Asp	Thr	Gly	
		195					200						205			
Glu	Tyr	Ser	Cys	Glu	Ala	Arg	Asn	Gly	Tyr	Gly	Thr	Pro	Met	Thr	Ser	
	210					215					220					
Asn	Ala	Val	Arg	Met	Glu	Ala	Val	Glu	Arg	Asn	Val	Gly	Val	Ile	Val	
225					230					235					240	
Ala	Ala	Val	Leu	Val	Thr	Leu	Ile	Leu	Leu	Gly	Ile	Leu	Val	Phe	Gly	
				245					250					255		
Ile	Trp	Phe	Ala	Tyr	Ser	Arg	Gly	His	Phe	Asp	Arg	Thr	Lys	Lys	Gly	
			260					265					270			
Thr	Ser	Ser	Lys	Lys	Val	Ile	Tyr	Ser	Gln	Pro	Ser	Ala	Arg	Ser	Glu	
		275					280					285				

Gly Glu Phe Lys Gln Thr Ser Ser Phe Leu Val
290 295

<210> 1301
<211> 299
<212> PRT
<213> Homo sapiens

<400> 1301

Met Gly Thr Lys Ala Gln Val Glu Arg Lys Leu Leu Cys Leu Phe Ile
1 5 10 15
Leu Ala Ile Leu Leu Cys Ser Leu Ala Leu Gly Ser Val Thr Val His
20 25 30
Ser Ser Glu Pro Glu Val Arg Ile Pro Glu Asn Asn Pro Val Lys Leu
35 40 45
Ser Cys Ala Tyr Ser Gly Phe Ser Ser Pro Arg Val Glu Trp Lys Phe
50 55 60
Asp Gln Gly Asp Thr Thr Arg Leu Val Cys Tyr Asn Asn Lys Ile Thr
65 70 75 80
Ala Ser Tyr Glu Asp Arg Val Thr Phe Leu Pro Thr Gly Ile Thr Phe
85 90 95
Lys Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Met Val Ser
100 105 110
Glu Glu Gly Gly Asn Ser Tyr Gly Glu Val Lys Val Lys Leu Ile Val
115 120 125
Leu Val Pro Pro Ser Lys Pro Thr Val Asn Ile Pro Ser Ser Ala Thr
130 135 140
Ile Gly Asn Arg Ala Val Leu Thr Cys Ser Glu Gln Asp Gly Ser Pro
145 150 155 160
Pro Ser Glu Tyr Thr Trp Phe Lys Asp Gly Ile Val Met Pro Thr Asn
165 170 175
Pro Lys Ser Thr Arg Ala Phe Ser Asn Ser Ser Tyr Val Leu Asn Pro
180 185 190
Thr Thr Gly Glu Leu Val Phe Asp Pro Leu Ser Ala Ser Asp Thr Gly
195 200 205
Glu Tyr Ser Cys Glu Ala Arg Asn Gly Tyr Gly Thr Pro Met Thr Ser
210 215 220
Asn Ala Val Arg Met Glu Ala Val Glu Arg Asn Val Gly Val Ile Val
225 230 235 240
Ala Ala Val Leu Val Thr Leu Ile Leu Leu Gly Ile Leu Val Phe Gly

	245		250		255
Ile Trp Phe	Ala Tyr Ser Arg Gly	His Phe Asp Arg Thr	Lys Lys Gly		
	260	265	270		
Thr Ser Ser	Lys Lys Val Ile Tyr Ser	Gln Pro Ser	Ala Arg Ser Glu		
	275	280	285		
Gly Glu Phe	Lys Gln Thr Ser Ser	Phe Leu Val			
	290	295			

<210> 1302
 <211> 136
 <212> PRT
 <213> Homo sapiens

<400> 1302
Ala Arg Ala Lys Pro Glu Arg Pro Ala Gly Trp Ala Glu Ser Val Leu
1 5 10 15
Glu Glu Asp Ala Ser Glu Leu Glu Pro Ala Phe Ser Arg Thr Val Gly
20 25 30
Thr Ile Gln His Cys Leu His Leu Thr Ser Val Tyr Thr His Phe Leu
35 40 45
Pro Gln Arg Gly Arg Pro Glu Val Thr Thr Met Pro Leu Gly Leu Gly
50 55 60
Met Thr Val Asp Tyr Ile Phe Phe Ser Ala Glu Ser Cys Glu Asn Gly
65 70 75 80
Asn Arg Thr Asp His Arg Leu Tyr Arg Asp Gly Thr Leu Lys Leu Leu
85 90 95
Gly Arg Leu Ser Leu Leu Ser Glu Glu Ile Leu Trp Ala Ala Asn Gly
100 105 110
Leu Pro Asn Pro Phe Cys Ser Ser Asp His Leu Cys Leu Leu Ala Ser
115 120 125
Phe Gly Met Glu Val Thr Ala Pro
130 135

<210> 1303
 <211> 100
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1303
 Met Ile Ala Ser Cys Leu Cys Tyr Leu Leu Leu Pro Ala Thr Arg Leu
 1 5 10 15
 Phe Arg Ala Leu Ser Xaa Ala Phe Phe Thr Cys Arg Lys Asn Val Leu
 20 25 30
 Leu Ala Asn Ser Ser Ser Pro Gln Val Glu Gly Asp Phe Ala Met Ala
 35 40 45
 Pro Arg Gly Pro Glu Gln Glu Glu Cys Glu Gly Leu Leu Gln Gln Trp
 50 55 60
 Arg Glu Glu Gly Leu Ser Gln Val Leu Ser Thr Ala Ser Glu Gly Pro
 65 70 75 80
 Leu Ile Xaa Lys Gly Leu Ala Gln Ser Ser Leu Xaa Leu Leu Xaa Asp
 85 90 95
 Asn Pro Gly Glu
 100

<210> 1304
 <211> 670
 <212> PRT
 <213> Homo sapiens

<400> 1304
 Met Ile Ala Ser Cys Leu Cys Tyr Leu Leu Leu Pro Ala Thr Arg Leu
 1 5 10 15
 Phe Arg Ala Leu Ser Asp Ala Phe Phe Thr Cys Arg Lys Asn Val Leu
 20 25 30
 Leu Ala Asn Ser Ser Ser Pro Gln Val Glu Gly Asp Phe Ala Met Ala
 35 40 45
 Pro Arg Gly Pro Glu Gln Glu Glu Cys Glu Gly Leu Leu Gln Gln Trp
 50 55 60

Arg	Glu	Glu	Gly	Leu	Ser	Gln	Val	Leu	Ser	Thr	Ala	Ser	Glu	Gly	Pro	65	70	75	80
Leu	Ile	Asp	Lys	Gly	Leu	Ala	Gln	Ser	Ser	Leu	Ala	Leu	Leu	Met	Asp	85	90	95	
Asn	Pro	Gly	Glu	Glu	Asn	Ala	Ala	Ser	Glu	Asp	Arg	Trp	Ser	Ser	Arg	100	105	110	
Gln	Leu	Ser	Asp	Leu	Arg	Ala	Ala	Glu	Asn	Leu	Asp	Glu	Pro	Phe	Pro	115	120	125	
Glu	Met	Leu	Gly	Glu	Glu	Pro	Leu	Leu	Glu	Val	Glu	Gly	Val	Glu	Gly	130	135	140	
Ser	Met	Trp	Ala	Ala	Ile	Pro	Met	Gln	Ser	Glu	Pro	Gln	Tyr	Ala	Asp	145	150	155	160
Cys	Ala	Ala	Leu	Pro	Val	Gly	Ala	Leu	Ala	Thr	Glu	Gln	Trp	Glu	Glu	165	170	175	
Asp	Pro	Ala	Val	Leu	Ala	Trp	Ser	Ile	Ala	Pro	Glu	Pro	Val	Pro	Gln	180	185	190	
Glu	Glu	Ala	Ser	Ile	Trp	Pro	Phe	Glu	Gly	Leu	Gly	Gln	Leu	Gln	Pro	195	200	205	
Pro	Ala	Val	Glu	Ile	Pro	Tyr	His	Glu	Ile	Leu	Trp	Arg	Glu	Trp	Glu	210	215	220	
Asp	Phe	Ser	Thr	Gln	Pro	Asp	Ala	Gln	Gly	Leu	Lys	Ala	Gly	Asp	Gly	225	230	235	240
Pro	Gln	Phe	Gln	Phe	Thr	Leu	Met	Ser	Tyr	Asn	Ile	Leu	Ala	Gln	Asp	245	250	255	
Leu	Met	Gln	Gln	Ser	Ser	Glu	Leu	Tyr	Leu	His	Cys	His	Pro	Asp	Ile	260	265	270	
Leu	Asn	Trp	Asn	Tyr	Arg	Phe	Val	Asn	Leu	Met	Gln	Glu	Phe	Gln	His	275	280	285	
Trp	Asp	Pro	Asp	Ile	Leu	Cys	Leu	Gln	Glu	Val	Gln	Glu	Asp	His	Tyr	290	295	300	
Trp	Glu	Gln	Leu	Glu	Pro	Ser	Leu	Arg	Met	Met	Gly	Phe	Thr	Cys	Phe	305	310	315	320
Tyr	Lys	Arg	Arg	Thr	Gly	Cys	Lys	Thr	Asp	Gly	Cys	Ala	Val	Cys	Tyr	325	330	335	
Lys	Pro	Thr	Arg	Phe	Arg	Leu	Leu	Cys	Ala	Ser	Pro	Val	Glu	Tyr	Phe	340	345	350	
Arg	Pro	Gly	Leu	Glu	Leu	Leu	Asn	Arg	Asp	Asn	Val	Gly	Leu	Val	Leu	355	360	365	

Leu	Leu	Gln	Pro	Leu	Val	Pro	Glu	Gly	Leu	Gly	Gln	Val	Ser	Val	Ala	
370						375					380					
Pro	Leu	Cys	Val	Ala	Asn	Thr	His	Ile	Leu	Tyr	Asn	Pro	Arg	Arg	Gly	
385					390					395					400	
Asp	Val	Lys	Leu	Ala	Gln	Met	Ala	Ile	Leu	Leu	Ala	Glu	Val	Asp	Lys	
				405					410					415		
Val	Ala	Arg	Leu	Ser	Asp	Gly	Ser	His	Cys	Pro	Ile	Ile	Leu	Cys	Gly	
			420					425					430			
Asp	Leu	Asn	Ser	Val	Pro	Asp	Ser	Pro	Leu	Tyr	Asn	Phe	Ile	Arg	Asp	
	435						440					445				
Gly	Glu	Leu	Gln	Tyr	His	Gly	Met	Pro	Ala	Trp	Lys	Val	Ser	Gly	Gln	
450						455					460					
Glu	Asp	Phe	Ser	His	Gln	Leu	Tyr	Gln	Arg	Lys	Leu	Gln	Ala	Pro	Leu	
465					470					475					480	
Trp	Pro	Ser	Ser	Leu	Gly	Ile	Thr	Asp	Cys	Cys	Gln	Tyr	Val	Thr	Ser	
				485					490					495		
Cys	His	Pro	Lys	Arg	Ser	Glu	Arg	Arg	Lys	Tyr	Gly	Arg	Asp	Phe	Leu	
			500					505					510			
Leu	Arg	Phe	Arg	Phe	Cys	Ser	Ile	Ala	Cys	Gln	Arg	Pro	Val	Gly	Leu	
	515						520					525				
Val	Leu	Met	Glu	Gly	Val	Thr	Asp	Thr	Lys	Pro	Glu	Arg	Pro	Ala	Gly	
	530					535					540					
Trp	Ala	Glu	Ser	Val	Leu	Glu	Glu	Asp	Ala	Ser	Glu	Leu	Glu	Pro	Ala	
545					550					555					560	
Phe	Ser	Arg	Thr	Val	Gly	Thr	Ile	Gln	His	Cys	Leu	His	Leu	Thr	Ser	
				565					570					575		
Val	Tyr	Thr	His	Phe	Leu	Pro	Gln	Arg	Gly	Arg	Pro	Glu	Val	Thr	Thr	
			580					585					590			
Met	Pro	Leu	Gly	Leu	Gly	Met	Thr	Val	Asp	Tyr	Ile	Phe	Phe	Ser	Ala	
		595					600					605				
Glu	Ser	Cys	Glu	Asn	Gly	Asn	Arg	Thr	Asp	His	Arg	Leu	Tyr	Arg	Asp	
610						615					620					
Gly	Thr	Leu	Lys	Leu	Leu	Gly	Arg	Leu	Ser	Leu	Leu	Ser	Glu	Glu	Ile	
625					630					635					640	
Leu	Trp	Ala	Ala	Asn	Gly	Leu	Pro	Asn	Pro	Phe	Cys	Ser	Ser	Asp	His	
				645					650					655		
Leu	Cys	Leu	Leu	Ala	Ser	Phe	Gly	Met	Glu	Val	Thr	Ala	Pro			
			660					665					670			

<210> 1305
<211> 228
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (164)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (167)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (200)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (206)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (221)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1305
Met Ala Ala Ala Gly Ser Val Lys Ala Ala Leu Gln Val Ala Glu Val
1 5 10 15
Leu Glu Ala Ile Val Ser Cys Cys Val Gly Pro Glu Gly Arg Gln Val
20 25 30
Leu Cys Thr Lys Pro Thr Gly Glu Val Leu Leu Ser Arg Asn Gly Gly
35 40 45
Arg Leu Leu Glu Ala Leu His Leu Glu His Pro Ile Ala Arg Met Ile
50 55 60
Val Asp Cys Val Ser Ser His Leu Lys Lys Thr Gly Asp Gly Ala Lys
65 70 75 80
Thr Phe Ile Ile Phe Leu Cys His Leu Leu Arg Gly Leu His Ala Ile
85 90 95
Thr Asp Arg Glu Lys Asp Pro Leu Met Cys Glu Asn Ile Gln Thr His
100 105 110
Gly Arg His Trp Lys Asn Cys Ser Arg Trp Lys Phe Ile Ser Gln Ala
115 120 125

Leu Leu Thr Phe Gln Thr Gln Ile Leu Asp Gly Ile Met Asp Gln Tyr
 130 135 140
 Leu Ser Arg His Phe Leu Ser Ile Phe Ser Ser Ala Lys Glu Arg Thr
 145 150 155 160
 Leu Cys Arg Xaa Ser Leu Xaa Leu Leu Leu Glu Ala Tyr Phe Cys Gly
 165 170 175
 Lys Val Gly Arg Asn Asn His Lys Phe Ile Ser Gln Leu Met Cys Asp
 180 185 190
 Tyr Phe Phe Lys Cys Met Thr Xaa Lys Ser Gly Ile Gly Xaa Phe Glu
 195 200 205
 Leu Gly Asp Asp His Phe Val Lys Leu Asn Val Gly Xaa Leu Ala Phe
 210 215 220
 Leu Phe Lys Phe
 225

<210> 1306
 <211> 170
 <212> PRT
 <213> Homo sapiens

<400> 1306

Met Ala Ala Ala Gly Ser Val Lys Ala Ala Leu Gln Val Ala Glu Val
 1 5 10 15
 Leu Glu Ala Ile Val Ser Cys Cys Val Gly Pro Glu Gly Arg Gln Val
 20 25 30
 Leu Cys Thr Lys Pro Thr Gly Glu Val Leu Leu Ser Arg Asn Gly Gly
 35 40 45
 Arg Leu Leu Glu Ala Leu His Leu Glu His Pro Ile Ala Arg Met Ile
 50 55 60
 Val Asp Cys Val Ser Ser His Leu Lys Lys Thr Gly Asp Gly Ala Lys
 65 70 75 80
 Thr Phe Ile Ile Phe Leu Cys His Leu Leu Arg Gly Leu His Ala Ile
 85 90 95
 Thr Asp Arg Glu Lys Asp Pro Leu Met Cys Glu Asn Ile Gln Thr His
 100 105 110
 Gly Arg His Trp Lys Asn Cys Ser Arg Trp Lys Phe Ile Ser Gln Ala
 115 120 125
 Leu Leu Thr Phe Gln Thr Gln Ile Leu Asp Gly Ile Met Asp Gln Tyr
 130 135 140

Leu Ser Arg His Phe Leu Ser Ile Phe Ser Ser Ala Lys Glu Arg Thr
 145 150 155 160

Leu Cys Arg Ser Ser Leu Glu Ser Val Ser
 165 170

<210> 1307
 <211> 149
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (87)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (107)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1307
 Met Gly Ala Pro Leu Leu Ser Pro Gly Trp Gly Ala Gly Ala Ala Gly
 1 5 10 15

Arg Arg Trp Trp Met Leu Leu Ala Pro Leu Leu Pro Ala Leu Leu Leu
 20 25 30

Val Arg Pro Ala Gly Ala Leu Val Glu Gly Leu Tyr Cys Gly Thr Arg
 35 40 45

Asp Cys Tyr Glu Val Leu Gly Val Ser Arg Ser Ala Gly Lys Ala Glu
 50 55 60

Ile Ala Arg Ala Tyr Arg Gln Leu Ala Arg Arg Tyr His Pro Asp Arg
 65 70 75 80

Tyr Arg Pro Gln Pro Gly Xaa Glu Gly Pro Gly Arg Thr Pro Xaa Ser
 85 90 95

Ala Glu Glu Ala Phe Leu Leu Val Ala Thr Xaa Tyr Glu Thr Leu Lys
 100 105 110

Asp Glu Glu Thr Arg Lys Asp Tyr Asp Tyr Met Leu Asp His Pro Glu
 115 120 125

Glu Tyr Tyr Ser His Tyr Tyr His Tyr Tyr Ser Arg Arg Leu Ala Leu
 130 135 140

Arg Trp Met Leu Glu

145

<210> 1308

<211> 360

<212> PRT

<213> Homo sapiens

<400> 1308

Met Gly Ala Pro Leu Leu Ser Pro Gly Trp Gly Ala Gly Ala Ala Gly
1 5 10 15

Arg Arg Trp Trp Met Leu Leu Ala Pro Leu Leu Pro Ala Leu Leu Leu
20 25 30

Val Arg Pro Ala Gly Ala Leu Val Glu Gly Leu Tyr Cys Gly Thr Arg
35 40 45

Asp Cys Tyr Glu Val Leu Gly Val Ser Arg Ser Ala Gly Lys Ala Glu
50 55 60

Ile Ala Arg Ala Tyr Arg Gln Leu Ala Arg Arg Tyr His Pro Asp Arg
65 70 75 80

Tyr Arg Pro Gln Pro Gly Asp Glu Gly Pro Gly Arg Thr Pro Gln Ser
85 90 95

Ala Glu Glu Ala Phe Leu Leu Val Ala Thr Ala Tyr Glu Thr Leu Lys
100 105 110

Asp Glu Glu Thr Arg Lys Asp Tyr Asp Tyr Met Leu Asp His Pro Glu
115 120 125

Glu Tyr Tyr Ser His Tyr Tyr His Tyr Tyr Ser Arg Arg Leu Ala Pro
130 135 140

Lys Val Asp Val Arg Val Val Ile Leu Val Ser Val Cys Ala Ile Ser
145 150 155 160

Val Phe Gln Phe Phe Ser Trp Trp Asn Ser Tyr Asn Lys Ala Ile Ser
165 170 175

Tyr Leu Ala Thr Val Pro Lys Tyr Arg Ile Gln Ala Thr Glu Ile Ala
180 185 190

Lys Gln Gln Gly Leu Leu Lys Lys Ala Lys Glu Lys Gly Lys Asn Lys
195 200 205

Lys Ser Lys Glu Glu Ile Arg Asp Glu Glu Glu Asn Ile Ile Lys Asn
210 215 220

Ile Ile Lys Ser Lys Ile Asp Ile Lys Gly Gly Tyr Gln Lys Pro Gln
225 230 235 240

Ile Cys Asp Leu Leu Leu Phe Gln Ile Ile Leu Ala Pro Phe His Leu
245 250 255

Cys Ser Tyr Ile Val Trp Tyr Cys Arg Trp Ile Tyr Asn Phe Asn Ile
 260 265 270
 Lys Gly Lys Glu Tyr Gly Glu Glu Glu Arg Leu Tyr Ile Ile Arg Lys
 275 280 285
 Ser Met Lys Met Ser Lys Ser Gln Phe Asp Ser Leu Glu Asp His Gln
 290 295 300
 Lys Glu Thr Phe Leu Lys Arg Glu Leu Trp Ile Lys Glu Asn Tyr Glu
 305 310 315 320
 Val Tyr Lys Gln Glu Gln Glu Glu Glu Leu Lys Lys Lys Leu Ala Asn
 325 330 335
 Asp Pro Arg Trp Lys Arg Tyr Arg Arg Trp Met Lys Asn Glu Gly Pro
 340 345 350
 Gly Arg Leu Thr Phe Val Asp Asp
 355 360

<210> 1309
 <211> 128
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1309
 Met Glu Ser His Leu Ser Thr Trp Pro Cys His Pro Ser Cys Cys Leu
 1 5 10 15
 Phe Leu Ile Leu Leu Phe Pro Ser His Pro Thr Ser Met Thr Lys Ser
 20 25 30
 Lys Ala Arg Leu Pro His Leu Glu Asn Cys Ser Gln Asn Asp Thr Ser
 35 40 45
 Lys Pro Leu Gly Gln Ala Arg Pro Pro Ser Ser Pro Thr Arg Thr Thr
 50 55 60
 Asp Leu Thr Thr Gly Pro Thr Ser Ser Pro Ala Pro Leu Gly Ile Leu
 65 70 75 80
 His Thr Ala Val Arg Val Thr His Leu His Thr Leu Thr Leu Met Gly
 85 90 95
 Glu Glu Lys Ala Val Phe Val Ala Arg Ala Gln Val Gly Asn Leu Gly
 100 105 110
 Leu Val Phe Arg Lys Ala Arg Gly Ser Xaa Phe Pro Thr Leu Gly Arg

115

120

125

<210> 1310
 <211> 112
 <212> PRT
 <213> Homo sapiens

<400> 1310
 Met Glu Ser His Leu Ser Thr Trp Pro Cys His Pro Ser Cys Cys Leu
 1 5 10 15
 Phe Leu Ile Leu Leu Phe Pro Ser His Pro Thr Ser Met Thr Lys Ser
 20 25 30
 Lys Ala Arg Leu Pro His Leu Glu Asn Cys Ser Gln Asn Asp Thr Ser
 35 40 45
 Lys Pro Leu Gly Gln Ala Arg Pro Pro Ser Ser Pro Thr Arg Thr Thr
 50 55 60
 Asp Leu Thr Thr Gly Pro Thr Ser Ser Pro Ala Pro Leu Gly Ile Leu
 65 70 75 80
 His Thr Ala Val Arg Val Thr His Leu His Thr Leu Thr Leu Met Gly
 85 90 95
 Glu Glu Lys Ala Val Phe Val Ala Arg Ala Gln Val Gly Thr Leu Ala
 100 105 110

<210> 1311
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 1311
 Met Phe Val Ser Val Thr Ala Phe Phe Phe Ser Leu Leu Phe Leu Gly
 1 5 10 15
 Met Phe Leu Ser Gly Met Val Ala Gln Ile Asp Ala Asn Trp Asn Phe
 20 25 30
 Leu Asp Phe Ala Tyr His Phe Thr Val Phe Val Phe Tyr Phe Gly Ala
 35 40 45
 Phe Leu Leu Glu Ala Ala Ala Thr Ser Leu His Asp Leu His Cys Asn
 50 55 60

Thr	Thr	Ile	Thr	Gly	Gln	Pro	Leu	Leu	Ser	Asp	Asn	Gln	Tyr	Asn	Ile
65					70					75					80
Asn	Val	Ala	Ala	Ser	Ile	Phe	Ala	Phe	Met	Thr	Thr	Ala	Cys	Tyr	Gly
				85					90					95	
Cys	Ser	Leu	Gly	Leu	Ala	Leu	Arg	Arg	Trp	Arg	Pro				
			100					105							

<210> 1312
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 1312															
Asn	His	Ile	Gln	His	Lys	Asn	Tyr	Phe	Trp	Leu	Asn	Ser	Thr	Glu	Lys
1				5					10					15	
Tyr	Phe	Asn	Leu	Pro	Val	Glu	Ile	Leu	Val	Met	Glu	Arg	Cys	Gln	Thr
			20					25					30		
Val	Leu	Asn	Gly	Arg	Thr	Ser	Lys	Ser	Glu	Ala	Thr	Val	Pro	Thr	Thr
		35					40					45			
Arg	Gly	Leu	Leu	Tyr	Cys	Ser	Thr	Phe	Ser	Ala	Leu	Tyr	Phe	Leu	Ala
	50					55					60				
Glu	Ala	Ser	Pro	Trp	Ser	Ala	Met	Tyr	Lys	Leu	Gly	Tyr			
65					70					75					

<210> 1313
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 1313															
Met	Phe	Val	Ser	Val	Thr	Ala	Phe	Phe	Phe	Ser	Leu	Leu	Phe	Leu	Gly
1				5					10					15	
Met	Phe	Leu	Ser	Gly	Met	Val	Ala	Gln	Ile	Asp	Ala	Asn	Trp	Asn	Phe
			20					25					30		
Leu	Asp	Phe	Ala	Tyr	His	Phe	Thr	Val	Phe	Val	Phe	Tyr	Phe	Gly	Ala
		35					40					45			
Phe	Leu	Leu	Glu	Ala	Ala	Ala	Thr	Ser	Leu	His	Asp	Leu	His	Cys	Asn
	50					55					60				
Thr	Thr	Ile	Thr	Gly	Gln	Pro	Leu	Leu	Ser	Asp	Asn	Gln	Tyr	Asn	Ile
65					70					75					80
Asn	Val	Ala	Ala	Ser	Ile	Phe	Ala	Phe	Met	Thr	Thr	Ala	Trp	Tyr	Gly
				85					90					95	

Cys Ser Leu Gly Leu Ala Leu Arg Arg Trp Arg Pro
100 105

<210> 1314
<211> 176
<212> PRT
<213> Homo sapiens

<400> 1314
Met Ser Ala Gly Gly Ala Ser Val Pro Pro Pro Pro Asn Pro Ala Val
1 5 10 15
Ser Phe Pro Pro Pro Arg Val Thr Leu Pro Ala Gly Pro Asp Ile Leu
20 25 30
Arg Thr Tyr Ser Gly Ala Phe Val Cys Leu Glu Ile Leu Phe Gly Gly
35 40 45
Leu Val Trp Ile Leu Val Ala Ser Ser Asn Val Pro Leu Pro Leu Leu
50 55 60
Gln Gly Trp Val Met Phe Val Ser Val Thr Ala Phe Phe Phe Ser Leu
65 70 75 80
Leu Phe Leu Gly Met Phe Leu Ser Gly Met Val Ala Gln Ile Asp Ala
85 90 95
Asn Trp Asn Phe Leu Asp Phe Ala Tyr His Phe Thr Val Phe Val Phe
100 105 110
Tyr Phe Gly Ala Phe Leu Leu Glu Ala Ala Ala Thr Ser Leu His Asp
115 120 125
Leu His Cys Asn Thr Thr Ile Thr Gly Gln Pro Leu Leu Ser Asp Asn
130 135 140
Gln Tyr Asn Ile Asn Val Ala Ala Ser Ile Phe Ala Phe Met Thr Thr
145 150 155 160
Ala Cys Tyr Gly Cys Ser Leu Gly Leu Ala Leu Arg Arg Trp Arg Pro
165 170 175

<210> 1315
<211> 103
<212> PRT
<213> Homo sapiens

<400> 1315
Met Pro Leu Cys Ser Leu Leu Thr Cys Leu Gly Leu Asn Val Leu Phe

1	5	10	15
Leu Thr Leu Asn Glu Gly Ala Trp Tyr Ser Val Gly Ala Leu Met Ile	20	25	30
Ser Val Pro Ala Leu Leu Gly Tyr Leu Gln Glu Val Cys Arg Ala Arg	35	40	45
Leu Pro Asp Ser Glu Leu Met Arg Arg Lys Tyr His Ser Val Arg Gln	50	55	60
Glu Asp Leu Gln Arg Val Arg Leu Ser Arg Pro Glu Ala Val Ala Glu	65	70	75
Val Lys Ser Phe Leu Ile Gln Leu Glu Ala Phe Leu Lys Pro Pro Val	85	90	95
Leu His Met Leu Lys Pro Pro	100		

<210> 1316
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 1316

Met Pro Leu Cys Ser Leu Leu Thr Cys Leu Gly Leu Asn Val Leu Phe	1	5	10	15
Leu Thr Leu Asn Glu Gly Ala Trp Tyr Ser Val Gly Ala Leu Met Ile	20	25	30	
Ser Val Pro Ala Leu Leu Gly Tyr Leu Gln Glu Val Cys Arg Ala Arg	35	40	45	
Leu Pro Asp Ser Glu Leu Met Arg Arg Lys Tyr His Ser Val Arg Gln	50	55	60	
Glu Asp Leu Gln Arg Val Arg Leu Ser Arg Pro Glu Ala Val Ala Glu	65	70	75	80
Val Lys Ser Phe Leu Ile Gln Leu Glu Ala Phe Leu Ser Arg Leu Cys	85	90	95	
Cys Thr Cys Glu Ala Ala Tyr Arg Val Leu His Trp Glu Asn Pro Val	100	105	110	
Val Ser Ser Gln Phe Tyr Gly Ala Leu Leu Gly Thr Val Cys Met Leu	115	120	125	
Tyr Leu Leu Pro Leu Cys Trp Val Leu Thr Leu Leu Asn Ser Thr Leu	130	135	140	
Phe Leu Gly Asn Val Glu Phe Phe Arg Val Val Ser Glu Tyr Arg Ala	145	150	155	160

Ser Leu Gln Gln Arg Met Asn Pro Lys Gln Glu Glu His Ala Phe Glu
 165 170 175
 Ser Pro Pro Pro Pro Asp Val Gly Gly Lys Asp Gly Leu Met Asp Ser
 180 185 190
 Thr Pro Ala Leu Thr Pro Thr Glu Asp Leu Thr Pro Gly Ser Val Glu
 195 200 205
 Glu Ala Glu Glu Ala Glu Pro Asp Glu Glu Phe Lys Asp Ala Ile Asp
 210 215 220
 Glu Asp Asp Glu Gly Ala Pro Cys Pro Ala Leu Phe Leu
 225 230 235

<210> 1317
 <211> 165
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1317
 Met Ala Arg Leu Gly Ala Val Arg Ser His Tyr Cys Ala Leu Leu Leu
 1 5 10 15

Ala Ala Ala Leu Ala Val Cys Ala Phe Tyr Tyr Leu Gly Ser Gly Arg
 20 25 30

Glu Thr Phe Ser Ser Ala Thr Lys Arg Leu Lys Glu Ala Arg Ala Gly
 35 40 45

Ala Pro Ala Ala Pro Xaa Pro Pro Ala Leu Glu Leu Ala Xaa Gly Xaa
 50 55 60

Val Ala Pro Ala Pro Gly Ala Lys Ala Lys Ser Leu Glu Gly Gly Gly

<210> 1319
<211> 380
<212> PRT
<213> Homo sapiens

<400> 1319

Met	Ala	Arg	Leu	Gly	Ala	Val	Arg	Ser	His	Tyr	Cys	Ala	Leu	Leu	Leu	
1				5					10					15		
Ala	Ala	Ala	Leu	Ala	Val	Cys	Ala	Phe	Tyr	Tyr	Leu	Gly	Ser	Gly	Arg	
			20					25						30		
Glu	Thr	Phe	Ser	Ser	Ala	Thr	Lys	Arg	Leu	Lys	Glu	Ala	Arg	Ala	Gly	
			35					40						45		
Ala	Pro	Ala	Ala	Pro	Ser	Pro	Pro	Ala	Leu	Glu	Leu	Ala	Arg	Gly	Ser	
			50					55						60		
Val	Ala	Pro	Ala	Pro	Gly	Ala	Lys	Ala	Lys	Ser	Leu	Glu	Gly	Gly	Gly	
			65					70						75		80
Ala	Gly	Pro	Val	Asp	Tyr	His	Leu	Leu	Met	Met	Phe	Thr	Lys	Ala	Glu	
				85					90						95	
His	Asn	Ala	Ala	Leu	Gln	Ala	Lys	Ala	Arg	Val	Ala	Leu	Arg	Ser	Leu	
				100					105					110		
Leu	Arg	Leu	Ala	Lys	Phe	Glu	Ala	His	Glu	Val	Leu	Asn	Leu	His	Phe	
				115					120					125		
Val	Ser	Glu	Glu	Ala	Ser	Arg	Glu	Val	Ala	Lys	Gly	Leu	Leu	Arg	Glu	
				130										135		140
Leu	Leu	Pro	Pro	Ala	Ala	Gly	Phe	Lys	Cys	Lys	Val	Ile	Phe	His	Asp	
				145										150		155
Val	Ala	Val	Leu	Thr	Asp	Lys	Leu	Phe	Pro	Ile	Val	Glu	Ala	Met	Gln	
				165										170		175
Lys	His	Phe	Ser	Ala	Gly	Leu	Gly	Thr	Tyr	Tyr	Ser	Asp	Ser	Ile	Phe	
				180										185		190
Phe	Leu	Ser	Val	Ala	Met	His	Gln	Ile	Met	Pro	Lys	Glu	Ile	Leu	Gln	
				195										200		205
Ile	Ile	Gln	Leu	Asp	Leu	Asp	Leu	Lys	Phe	Lys	Thr	Asn	Ile	Arg	Glu	
				210										215		220
Leu	Phe	Glu	Glu	Phe	Asp	Ser	Phe	Leu	Pro	Gly	Ala	Ile	Ile	Gly	Ile	
				225										230		235
Ala	Arg	Glu	Met	Gln	Pro	Val	Tyr	Arg	His	Thr	Phe	Trp	Gln	Phe	Arg	
				245										250		255

His Glu Asn Pro Gln Thr Arg Val Gly Gly Pro Pro Pro Glu Gly Leu
 260 265 270
 Pro Gly Phe Asn Ser Gly Val Met Leu Leu Asn Leu Glu Ala Met Arg
 275 280 285
 Gln Ser Pro Leu Tyr Ser Arg Leu Leu Glu Pro Ala Gln Val Gln Gln
 290 295 300
 Leu Ala Asp Lys Tyr His Phe Arg Gly His Leu Gly Asp Gln Asp Phe
 305 310 315 320
 Phe Thr Met Ile Gly Met Glu His Pro Lys Leu Phe His Val Leu Asp
 325 330 335
 Cys Thr Trp Asn Arg Gln Leu Cys Thr Trp Trp Arg Asp His Gly Tyr
 340 345 350
 Ser Asp Val Phe Glu Ala Tyr Phe Arg Cys Glu Gly His Val Lys Ile
 355 360 365
 Tyr His Gly Asn Cys Asn Thr Pro Ile Pro Glu Asp
 370 375 380

<210> 1320
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 1320
 Leu Glu Ser Tyr Ser Ser Val Arg Glu Leu Leu Val Ser Val Arg Phe
 1 5 10 15
 Tyr Val Val Cys Lys Val Arg Gly Ser Val Leu Phe Pro Tyr Leu Gly
 20 25 30
 Lys Ser Thr Ala Gly Val Glu Gly Leu Tyr Val Pro Phe Asn Val Thr
 35 40 45
 Val Leu Lys Asp Leu Ser Arg Glu Ser Glu Ser Phe Ala Glu Cys Asp
 50 55 60
 Arg Arg Leu Asn Asn Leu Ile Cys Phe
 65 70

<210> 1321
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 1321
 Met Ala Ala Ser Arg Trp Ala Arg Lys Ala Val Val Leu Leu Cys Ala
 1 5 10 15

Ser	Asp	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Pro	Pro	Pro	Gly	Ser	Cys
		20						25					30		
Ala	Ala	Glu	Ala	Arg	Pro	Gly	Arg	Pro	Thr	Ser	Leu	Pro	His	Leu	Pro
		35					40					45			
Gly	Arg	Arg	Arg	Arg	Ile	Phe	Ala	Ile	Thr	Met	Met	Gln	Thr	Trp	Arg
	50					55					60				
Val	Phe	Trp	Ser	Asn	Gly	Arg	Lys	Met	Met	Thr	Leu	Lys	Lys	Glu	Ile
65					70					75					80
Phe	Gln	Ser	Thr	Arg	Asp	Leu	Gln	His	Leu	Ser	Thr	Ser	Gln	Arg	
				85					90					95	

<210> 1322
 <211> 234
 <212> PRT
 <213> Homo sapiens

<400> 1322

Met	Ala	Ala	Ser	Arg	Trp	Ala	Arg	Lys	Ala	Val	Val	Leu	Leu	Cys	Ala
1				5					10					15	
Ser	Asp	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Pro	Pro	Pro	Gly	Ser	Cys	
		20						25				30			
Ala	Ala	Glu	Gly	Ser	Pro	Gly	Thr	Pro	Asp	Glu	Ser	Thr	Pro	Pro	Pro
		35					40					45			
Arg	Lys	Lys	Lys	Lys	Asp	Ile	Arg	Asp	Tyr	Asn	Asp	Ala	Asp	Met	Ala
	50					55					60				
Arg	Leu	Leu	Glu	Gln	Trp	Glu	Lys	Asp	Asp	Asp	Ile	Glu	Glu	Gly	Asp
65					70					75					80
Leu	Pro	Glu	His	Lys	Arg	Pro	Ser	Ala	Pro	Val	Asp	Phe	Ser	Lys	Ile
				85					90					95	
Asp	Pro	Ser	Lys	Pro	Glu	Ser	Ile	Leu	Lys	Met	Thr	Lys	Lys	Gly	Lys
			100					105					110		
Thr	Leu	Met	Met	Phe	Val	Thr	Val	Ser	Gly	Ser	Pro	Thr	Glu	Lys	Glu
		115					120					125			
Thr	Glu	Glu	Ile	Thr	Ser	Leu	Trp	Gln	Gly	Ser	Leu	Phe	Asn	Ala	Asn
		130				135					140				
Tyr	Asp	Val	Gln	Arg	Phe	Ile	Val	Gly	Ser	Asp	Arg	Ala	Ile	Phe	Met
145					150					155					160
Leu	Arg	Asp	Gly	Ser	Tyr	Ala	Trp	Glu	Ile	Lys	Asp	Phe	Leu	Val	Gly
				165					170					175	

Gln Asp Arg Cys Ala Asp Val Thr Leu Glu Gly Gln Val Tyr Pro Gly
180 185 190

Lys Gly Gly Gly Ser Lys Glu Lys Asn Lys Thr Lys Gln Asp Lys Gly
195 200 205

Lys Lys Lys Lys Glu Gly Asp Leu Lys Ser Arg Ser Ser Lys Glu Glu
210 215 220

Asn Arg Ala Gly Asn Lys Arg Glu Asp Leu
225 230

<210> 1323
<211> 15
<212> PRT
<213> Homo sapiens

<400> 1323
Asn Ala Thr Lys Ser Gln Pro Cys Leu Ser Ser Leu Leu Leu Phe
1 5 10 15

<210> 1324
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1324
Lys Tyr Xaa Lys His Pro Ser Lys Ser Phe Glu Leu Thr Leu Val Leu
1 5 10 15

Arg Lys Leu Ser Leu His Asn Gln Pro Pro Gly Lys Thr Glu Cys His
20 25 30

Leu Leu Lys Ser Lys Cys Cys Val Ile Ile Thr Leu Gln Thr Lys Trp
35 40 45

Arg Tyr Tyr Leu Phe Cys Lys Gln Gln Thr Lys Gln Asn Ser
50 55 60

<210> 1325
<211> 15
<212> PRT
<213> Homo sapiens

<400> 1325
Asn Ala Thr Lys Ser Gln Pro Cys Leu Ser Ser Leu Leu Leu Phe

1

5

10

15

<210> 1326
 <211> 228
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (134)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (170)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (195)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (205)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (209)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (214)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1326
 Met Val Pro Asn Trp Ile Gln Gly Arg Trp Asp Val Leu Leu Cys Val
 1 5 10 15

Leu Thr Val Gly Val Leu Pro Ser Ile Gly Ser Arg Gly Gly Trp Phe
 20 25 30

Gly Thr Gln Val Pro Cys Leu Ile Pro Gly Ala Leu Ala Ser Leu His
 35 40 45

Arg Gly Thr Ala Leu Gln Leu Ser Tyr Pro Phe Ser Met Ala Gly Arg
 50 55 60

Thr	Ala	Glu	Arg	Pro	Cys	Ser	Met	Thr	Asn	His	Ser	Phe	His	Leu	Leu	65	70	75	80
Ser	Ile	Tyr	Trp	Glu	Leu	Gly	Thr	Val	Leu	Ser	Xaa	Lys	Arg	Val	Leu	85	90	95	
Thr	His	Leu	Leu	Gln	Gln	Pro	Gly	Lys	Ala	Gly	Ser	Ser	Val	Ser	Pro	100	105	110	
Cys	Ser	Lys	Leu	Gly	Asp	Leu	Glu	His	Arg	Arg	Ser	Ser	Ala	Trp	Leu	115	120	125	
Lys	Ala	His	Ser	Ser	Xaa	Val	Gln	Ile	Leu	Cys	Pro	Ser	Trp	His	Pro	130	135	140	
Ser	Leu	Gly	Gly	Ser	Gly	Val	Gly	Ser	Leu	Gln	Ser	Val	Pro	Gly	Gly	145	150	155	160
Trp	Met	Thr	Lys	Leu	Gln	Pro	Ser	Arg	Xaa	Pro	Thr	Ile	Ser	Ile	Ala	165	170	175	
Gln	Trp	Ser	Gln	Lys	Glu	Thr	Asp	His	Phe	Thr	Asp	Gln	Arg	Asn	Lys	180	185	190	
Gly	Ala	Xaa	Leu	Leu	Asn	Pro	Gly	Ala	Ser	Asp	Arg	Xaa	Lys	Pro	Glu	195	200	205	
Xaa	Arg	Thr	Lys	Lys	Xaa	Pro	Val	Asn	Ser	Glu	Pro	Gly	Glu	Thr	Leu	210	215	220	
Pro	Phe	Thr	Asn													225			

<210> 1327
 <211> 84
 <212> PRT
 <213> Homo sapiens

Asp	Asn	Phe	Leu	Leu	Gly	Val	Ala	Trp	Phe	Phe	Arg	Gly	Arg	Gly	Ser	1	5	10	15
Ala	His	Val	Gly	Val	Val	Ser	Arg	Gln	Lys	Gln	Trp	Glu	Glu	Gly	Thr	20	25	30	
Ala	Lys	His	Ala	Ala	Trp	Asp	Tyr	Gly	Cys	Pro	Gln	Ser	Cys	Ser	Phe	35	40	45	
Ser	Lys	Gly	Val	Phe	Cys	Leu	Phe	Leu	Arg	Gln	Gly	His	Thr	Leu	Ser	50	55	60	
Pro	Arg	Met	Glu	Cys	Ser	Gly	Pro	Ile	Leu	Ala	His	Cys	Asn	Leu	Glu	65	70	75	80
Leu	Leu	Gly	Ser																

<210> 1328
<211> 174
<212> PRT
<213> Homo sapiens

<400> 1328
Met Val Pro Asn Trp Ile Gln Gly Arg Trp Asp Val Leu Leu Cys Val
1 5 10 15
Leu Thr Val Gly Val Leu Pro Ser Ile Gly Ser Arg Gly Gly Trp Phe
20 25 30
Gly Thr Gln Val Pro Cys Leu Ile Pro Gly Ala Leu Ala Ser Leu His
35 40 45
Arg Gly Thr Ala Leu Gln Leu Ser Tyr Pro Phe Ser Met Ala Gly Arg
50 55 60
Thr Ala Glu Arg Pro Cys Ser Met Thr Asn His Ser Phe His Leu Leu
65 70 75 80
Ser Ile Tyr Trp Glu Leu Gly Thr Val Leu Ser Val Lys Arg Val Leu
85 90 95
Thr His Leu Leu Gln Gln Pro Gly Lys Ala Gly Ser Ser Val Ser Pro
100 105 110
Cys Ser Lys Leu Gly Asp Leu Glu His Arg Arg Ser Ser Ala Trp Leu
115 120 125
Lys Ala His Ser Ser Glu Val Gln Ile Leu Cys Pro Ser Trp His Pro
130 135 140
Ser Leu Gly Gly Ser Gly Val Gly Ser Leu Gln Ser Val Pro Gly Gly
145 150 155 160
Trp Met Thr Ser Cys Ser Leu Pro Ala Thr Pro Arg Phe Pro
165 170

<210> 1329
<211> 115
<212> PRT
<213> Homo sapiens

<400> 1329
Met Val Pro Asn Trp Ile Gln Gly Arg Trp Asp Val Leu Leu Cys Val
1 5 10 15
Leu Thr Val Gly Val Leu Pro Ser Ile Gly Ser Arg Gly Gly Trp Phe
20 25 30

Gly Thr Gln Val Pro Cys Leu Ile Pro Gly Ala Leu Ala Ser Leu His
 35 40 45
 Arg Gly Thr Ala Leu Gln Leu Ser Tyr Pro Phe Ser Met Ala Gly Arg
 50 55 60
 Thr Ala Glu Arg Pro Cys Ser Met Thr Asn His Ser Phe His Leu Leu
 65 70 75 80
 Ser Ile Tyr Trp Glu Leu Gly Thr Val Leu Ser Val Lys Arg Val Leu
 85 90 95
 Thr His Leu Leu Gln Gln Pro Gly Lys Ala Val Leu Pro Leu Ala Pro
 100 105 110
 Ala Gln Ser
 115

<210> 1330
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1330
 Met Glu Asn Gln Met Leu Thr Cys Val Ala Ile Phe Val Leu Phe Cys
 1 5 10 15
 Phe Val Leu Phe Leu Arg Gln Gly Leu Ala Leu Ser Pro Arg Leu Glu
 20 25 30
 Cys Ser Gly Met Ile Arg Ala Tyr Cys Ser Leu Thr Leu Asp Phe Leu
 35 40 45
 Gly Ser Ser Asn Pro Xaa Thr Xaa Ala Pro Lys
 50 55

<210> 1331
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 1331
 Met Glu Asn Gln Met Leu Thr Cys Val Ala Ile Phe Val Leu Phe Cys

1	5	10	15
Phe Val Leu Phe Leu Arg Gln Gly Leu Ala Leu Ser Pro Arg Leu Glu	20	25	30
Cys Ser Gly Met Ile Arg Ala Tyr Cys Ser Leu Thr Leu Asp Phe Leu	35	40	45
Gly Ser Ser Asn Pro Pro Thr Ser Ala Pro Lys	50	55	

<210> 1332
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 1332
Gly Ser Phe Leu Ser Pro Trp Gly Pro Ile Leu Trp Gly Leu Gly Ala
1 5 10 15
Gly Val Leu Met Gly Asp Ala Leu Gln Gly Arg Glu Gly Arg Met Gln
20 25 30
Ala Thr Val Gly Ala Gly Pro Glu Gly Ser Glu Thr Val Ala Val Gln
35 40 45
Val Cys Val Ile Arg Glu Ala Val Val Gly Glu Glu Val Ser Asp Cys
50 55 60
Val Ala Pro Leu Cys Gly Val Gly Gly Gln Gly Gly Ala Ala Lys Glu
65 70 75 80
Ala Arg Lys Met Gly Gly Gly Trp Asp Gly Leu Gly Ser His Ile His
85 90 95
Val Leu Asp Phe
100

<210> 1333
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 1333
Met Leu Ile Leu Gly Ser Met Phe Ser Leu Val Glu Pro Val Leu Thr
1 5 10 15
Ile Ala Ala Ala Leu Ser Val Gln Ser Pro Phe Thr Arg Ser Ala Gln
20 25 30
Ser Ser Pro Glu Cys Ala Ala Ala Arg Arg Pro Leu Glu Ser Asp Gln
35 40 45

Gly Asp Pro Phe Thr Leu Phe Asn Val Phe Asn Ala Trp Val Gln Val
 50 55 60
 Lys Ser Glu Arg Ser Arg Asn Ser Arg Lys Trp Cys Arg Arg Arg Gly
 65 70 75 80
 Ile Glu Glu His Arg Leu Tyr Glu Met Ala Asn Phe Gly Ala Ser Ser
 85 90 95
 Arg Thr Val

<210> 1334
 <211> 163
 <212> PRT
 <213> Homo sapiens

<400> 1334
 Ala Leu Ala Arg Ala Ser Arg Thr Asp Asp Leu His Pro Leu Ala Leu
 1 5 10 15
 Ala Gly Ala Thr His Arg Pro Cys Pro Glu Asp Gln Glu Pro Lys Ala
 20 25 30
 Gly Arg Ala Trp Ser Ala Thr Ser Phe Cys Leu Pro Val Pro Cys Gly
 35 40 45
 Val Ser Val Leu Leu Ser Leu Ser Leu Phe Leu Ser Leu Cys Gly Tyr
 50 55 60
 Val Ser Cys Tyr Phe Ser Leu Ser Cys Ser Tyr Leu Cys Leu Gly His
 65 70 75 80
 Leu His Pro Val Val Thr Gln Gly Cys His Thr Leu Gly Phe Ser Gly
 85 90 95
 Gly Asp Ser Thr Gly Ala Thr Cys Leu His Pro Arg Leu Ala Val Ser
 100 105 110
 Ala Cys Gln Ser Pro Cys Leu Ser Leu Cys Leu Ser Leu Cys Leu Ser
 115 120 125
 His Trp Gln Gly Cys Gly Val Lys Thr Asp Leu Cys Ile Phe Ile Asn
 130 135 140
 Leu Gly Gly Leu Pro Gly Gly Gly Lys Thr Gly Phe Ser Lys Gly Gln
 145 150 155 160
 Glu Arg Thr

<210> 1335
 <211> 552

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1335

Met	Leu	Ile	Leu	Gly	Ser	Met	Phe	Ser	Leu	Val	Glu	Pro	Val	Leu	Thr
1				5					10					15	

Ile	Ala	Ala	Ala	Leu	Ser	Val	Gln	Ser	Pro	Phe	Thr	Arg	Ser	Ala	Gln
			20					25					30		

Ser	Ser	Pro	Glu	Cys	Ala	Ala	Ala	Arg	Arg	Pro	Leu	Glu	Ser	Asp	Gln
		35					40					45			

Gly	Asp	Pro	Phe	Thr	Leu	Phe	Asn	Val	Phe	Asn	Ala	Trp	Val	Gln	Val
	50					55					60				

Lys	Ser	Glu	Arg	Ser	Arg	Asn	Ser	Arg	Lys	Trp	Cys	Arg	Arg	Arg	Gly
65					70					75					80

Ile	Glu	Glu	His	Arg	Leu	Tyr	Glu	Met	Ala	Asn	Leu	Arg	Arg	Gln	Phe
				85					90					95	

Lys	Glu	Leu	Leu	Glu	Asp	His	Gly	Leu	Leu	Ala	Gly	Ala	Gln	Ala	Ala
			100					105					110		

Gln	Val	Gly	Asp	Ser	Tyr	Ser	Arg	Leu	Gln	Gln	Arg	Arg	Glu	Arg	Arg
		115					120					125			

Ala	Leu	His	Gln	Leu	Lys	Arg	Gln	His	Glu	Glu	Gly	Ala	Xaa	Cys	Arg
	130					135					140				

Arg	Lys	Val	Leu	Arg	Leu	Gln	Glu	Glu	Gln	Asp	Gly	Gly	Ser	Ser	Asp
145					150					155					160

Glu	Asp	Arg	Ala	Gly	Pro	Ala	Pro	Pro	Gly	Ala	Ser	Asp	Gly	Val	Asp
				165					170					175	

Ile	Gln	Asp	Val	Lys	Phe	Lys	Leu	Arg	His	Asp	Leu	Ala	Gln	Leu	Gln
			180					185					190		

Ala	Ala	Ala	Ser	Ser	Ala	Gln	Asp	Leu	Ser	Arg	Glu	Gln	Leu	Ala	Leu
		195					200					205			

Leu	Lys	Leu	Val	Leu	Gly	Arg	Gly	Leu	Tyr	Pro	Gln	Leu	Ala	Val	Pro
	210					215					220				

Asp	Ala	Phe	Asn	Ser	Ser	Arg	Lys	Asp	Ser	Asp	Gln	Ile	Phe	His	Thr
225					230					235					240

Gln	Ala	Lys	Gln	Gly	Ala	Val	Leu	His	Pro	Thr	Cys	Val	Phe	Ala	Gly
				245					250						255

Ser	Pro	Glu	Val 260	Leu	His	Ala	Gln	Glu 265	Leu	Glu	Ala	Ser	Asn 270	Cys	Asp
Gly	Ser	Arg 275	Asp	Asp	Lys	Asp	Lys 280	Met	Ser	Ser	Lys	His 285	Gln	Leu	Leu
Ser	Phe	Val	Ser	Leu	Leu	Glu 295	Thr	Asn	Lys	Pro	Tyr 300	Leu	Val	Asn	Cys
Val 305	Arg	Ile	Pro	Ala	Leu 310	Gln	Ser	Leu	Leu	Leu 315	Phe	Ser	Arg	Ser	Leu 320
Asp	Thr	Asn	Gly	Asp 325	Cys	Ser	Arg	Leu	Val 330	Ala	Asp	Gly	Trp	Leu 335	Glu
Leu	Gln	Leu	Ala 340	Asp	Ser	Glu	Ser	Ala 345	Ile	Arg	Leu	Leu	Ala 350	Ala	Ser
Leu	Arg	Leu 355	Arg	Ala	Arg	Trp	Glu 360	Ser	Ala	Leu	Asp	Arg 365	Gln	Leu	Ala
His 370	Gln	Ala	Gln	Gln	Gln	Leu 375	Glu	Glu	Glu	Glu	Glu 380	Asp	Thr	Pro	Val
Ser 385	Pro	Lys	Glu	Val	Ala 390	Thr	Leu	Ser	Lys	Glu 395	Leu	Leu	Gln	Phe	Thr 400
Ala	Ser	Lys	Ile	Pro 405	Tyr	Ser	Leu	Arg	Arg 410	Leu	Thr	Gly	Leu	Glu 415	Val
Gln	Asn	Met	Tyr 420	Val	Gly	Pro	Gln	Thr 425	Ile	Pro	Ala	Thr	Pro 430	His	Leu
Pro	Gly	Leu 435	Phe	Gly	Ser	Ser	Thr 440	Leu	Ser	Pro	His	Pro 445	Thr	Lys	Gly
Gly	Tyr	Ala	Val	Thr	Asp	Phe 455	Leu	Thr	Tyr	Asn	Cys 460	Leu	Thr	Asn	Asp
Thr 465	Asp	Leu	Tyr	Ser	Asp 470	Cys	Leu	Arg	Thr	Phe 475	Trp	Thr	Cys	Pro	His 480
Cys	Gly	Leu	His	Ala 485	Pro	Leu	Thr	Pro	Leu 490	Glu	Arg	Ile	Ala	His 495	Glu
Asn	Thr	Cys	Pro 500	Gln	Ala	Pro	Gln	Asp 505	Gly	Pro	Pro	Gly	Ala 510	Glu	Glu
Ala	Ala	Leu 515	Glu	Thr	Leu	Gln	Lys 520	Thr	Ser	Val	Leu	Gln 525	Arg	Pro	Tyr
His 530	Cys	Glu	Ala	Cys	Gly	Lys 535	Asp	Phe	Leu	Phe	Thr 540	Pro	Thr	Glu	Val
Leu 545	Arg	His	Arg	Lys	Gln 550	His	Val								

<210> 1336
<211> 78
<212> PRT
<213> Homo sapiens

<400> 1336
Met Ser Leu Tyr Gly Thr Arg Trp Arg Ile Ser Trp Pro His Trp Arg
1 5 10 15
Arg Val Val Leu Val Ser Leu Leu Ser Ser Ser Gly Gly Gln Ile Ser
20 25 30
Pro Ser Leu Ser His His Leu Pro Cys Ser Asp Phe Phe Glu Leu Glu
35 40 45
Thr Ser Leu Ala Leu Phe Trp Leu Thr Thr Leu Val Pro Ser Ile Thr
50 55 60
Asn Ile Thr Arg Val Phe Thr Thr Leu Leu Arg Thr Leu Met
65 70 75

<210> 1337
<211> 78
<212> PRT
<213> Homo sapiens

<400> 1337
Met Ser Leu Tyr Gly Thr Arg Trp Arg Ile Ser Trp Pro His Trp Arg
1 5 10 15
Arg Val Val Leu Val Ser Leu Leu Ser Ser Ser Gly Gly Gln Ile Ser
20 25 30
Pro Ser Leu Ser His His Leu Pro Cys Ser Asp Phe Phe Glu Leu Glu
35 40 45
Thr Ser Leu Ala Leu Phe Trp Leu Thr Thr Leu Val Pro Ser Ile Thr
50 55 60
Asn Ile Thr Arg Val Phe Thr Thr Leu Leu Arg Thr Leu Met
65 70 75

<210> 1338
<211> 159
<212> PRT
<213> Homo sapiens

<400> 1338
Met Gly Cys Leu Trp Gly Leu Ala Leu Pro Leu Phe Phe Phe Cys Trp
1 5 10 15

Glu	Val	Gly	Val	Ser	Gly	Ser	Ser	Ala	Gly	Pro	Ser	Thr	Arg	Arg	Ala			
			20					25					30					
Asp	Thr	Ala	Met	Thr	Thr	Asp	Asp	Thr	Glu	Val	Pro	Ala	Met	Thr	Leu			
		35					40					45						
Ala	Pro	Gly	His	Ala	Ala	Leu	Glu	Thr	Gln	Thr	Leu	Ser	Ala	Glu	Thr			
	50					55					60							
Ser	Ser	Arg	Ala	Ser	Thr	Pro	Ala	Gly	Pro	Ile	Pro	Glu	Ala	Glu	Thr			
65					70					75					80			
Arg	Gly	Ala	Lys	Arg	Ile	Ser	Pro	Ala	Arg	Glu	Thr	Arg	Ser	Phe	Thr			
				85					90					95				
Lys	Thr	Ser	Pro	Asn	Phe	Met	Val	Leu	Ile	Ala	Thr	Ser	Val	Glu	Thr			
			100					105					110					
Ser	Ala	Ala	Ser	Gly	Ser	Pro	Glu	Gly	Ala	Arg	Met	Thr	Thr	Val	Gln			
		115					120					125						
Thr	Ile	Thr	Gly	Ser	Asp	Pro	Arg	Lys	Pro	Ser	Leu	Thr	Pro	Phe	Ala			
	130					135					140							
Pro	Met	Thr	Ala	Leu	Lys	Arg	Gln	Arg	His	Ser	Gln	Trp	Thr	Tyr				
145					150				155									

<210> 1339
 <211> 149
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (114)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (144)
 <223> Xaa equals any of the naturally occurring L-amino acids

Met	Gly	Cys	Leu	Trp	Gly	Leu	Ala	Leu	Pro	Leu	Phe	Phe	Phe	Cys	Trp			
1				5					10					15				

Glu	Val	Gly	Val	Ser	Gly	Ser	Ser	Ala	Gly	Pro	Ser	Thr	Arg	Arg	Ala			
			20					25					30					

Asp	Thr	Ala	Met	Thr	Thr	Asp	Asp	Thr	Glu	Val	Pro	Ala	Met	Thr	Leu			
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--	--	--

35	40	45
Ala Pro Gly His Ala Ala Leu Glu Thr Gln Thr Leu Ser Ala Glu Thr		
50	55	60
Ser Ser Arg Ala Ser Thr Pro Ala Gly Pro Ile Pro Glu Ala Glu Thr		
65	70	75 80
Arg Gly Ala Lys Arg Ile Ser Pro Ala Arg Glu Thr Arg Ser Phe Thr		
	85	90 95
Lys Thr Ser Pro Asn Phe Met Val Leu Ile Ala Thr Ser Val Glu Thr		
	100	105 110
Ser Xaa Ala Ser Gly Ser Pro Glu Gly Ala Xaa Met Thr Thr Val Gln		
	115	120 125
Thr Ile Thr Gly Ser Asp Pro Arg Glu Ala Ile Phe Asp Thr Leu Xaa		
	130	135 140
Thr Asp Asp Ser Ser		
145		

<210> 1340
 <211> 595
 <212> PRT
 <213> Homo sapiens

<400> 1340
Met Gly Cys Leu Trp Gly Leu Ala Leu Pro Leu Phe Phe Phe Cys Trp
1 5 10 15
Glu Val Gly Val Ser Gly Ser Ser Ala Gly Pro Ser Thr Arg Arg Ala
20 25 30
Asp Thr Ala Met Thr Thr Asp Asp Thr Glu Val Pro Ala Met Thr Leu
35 40 45
Ala Pro Gly His Ala Ala Leu Glu Thr Gln Thr Leu Ser Ala Glu Thr
50 55 60
Ser Ser Arg Ala Ser Thr Pro Ala Gly Pro Ile Pro Glu Ala Glu Thr
65 70 75 80
Arg Gly Ala Lys Arg Ile Ser Pro Ala Arg Glu Thr Arg Ser Phe Thr
85 90 95
Lys Thr Ser Pro Asn Phe Met Val Leu Ile Ala Thr Ser Val Glu Thr
100 105 110
Ser Ala Ala Ser Gly Ser Pro Glu Gly Ala Arg Met Thr Thr Val Gln
115 120 125
Thr Ile Thr Gly Ser Asp Pro Arg Glu Ala Ile Phe Asp Thr Leu Cys
130 135 140

Thr	Asp	Asp	Ser	Ser	Glu	Glu	Ala	Lys	Thr	Leu	Thr	Met	Asp	Ile	Leu	145	150	155	160
Thr	Leu	Ala	His	Thr	Ser	Thr	Glu	Ala	Lys	Gly	Leu	Ser	Ser	Glu	Ser	165	170	175	
Ser	Ala	Ser	Ser	Asp	Gly	Pro	His	Pro	Val	Ile	Thr	Pro	Ser	Arg	Ala	180	185	190	
Ser	Glu	Ser	Ser	Ala	Ser	Ser	Asp	Gly	Pro	His	Pro	Val	Ile	Thr	Pro	195	200	205	
Ser	Arg	Ala	Ser	Glu	Ser	Ser	Ala	Ser	Ser	Asp	Gly	Pro	His	Pro	Val	210	215	220	
Ile	Thr	Pro	Ser	Arg	Ala	Ser	Glu	Ser	Ser	Ala	Ser	Ser	Asp	Gly	Pro	225	230	235	240
His	Pro	Val	Ile	Thr	Pro	Ser	Arg	Ala	Ser	Glu	Ser	Ser	Ala	Ser	Ser	245	250	255	
Asp	Gly	Pro	His	Pro	Val	Ile	Thr	Pro	Ser	Arg	Ala	Ser	Glu	Ser	Ser	260	265	270	
Ala	Ser	Ser	Asp	Gly	Pro	His	Pro	Val	Ile	Thr	Pro	Ser	Trp	Ser	Pro	275	280	285	
Gly	Ser	Asp	Val	Thr	Leu	Leu	Ala	Glu	Ala	Leu	Val	Ser	Val	Thr	Asn	290	295	300	
Ile	Glu	Val	Ile	Asn	Cys	Ser	Ile	Thr	Glu	Ile	Glu	Thr	Thr	Thr	Ser	305	310	315	320
Ser	Ile	Pro	Gly	Ala	Ser	Asp	Thr	Asp	Leu	Ile	Pro	Thr	Glu	Gly	Val	325	330	335	
Lys	Ala	Ser	Ser	Thr	Ser	Asp	Pro	Pro	Ala	Leu	Pro	Asp	Ser	Thr	Glu	340	345	350	
Ala	Lys	Pro	His	Ile	Thr	Glu	Val	Thr	Ala	Ser	Ala	Glu	Thr	Leu	Ser	355	360	365	
Thr	Ala	Gly	Thr	Thr	Glu	Ser	Ala	Ala	Pro	Asp	Ala	Thr	Val	Gly	Thr	370	375	380	
Pro	Leu	Pro	Thr	Asn	Ser	Ala	Thr	Glu	Arg	Glu	Val	Thr	Ala	Pro	Gly	385	390	395	400
Ala	Thr	Thr	Leu	Ser	Gly	Ala	Leu	Val	Thr	Val	Ser	Arg	Asn	Pro	Leu	405	410	415	
Glu	Glu	Thr	Ser	Ala	Leu	Ser	Val	Glu	Thr	Pro	Ser	Tyr	Val	Lys	Val	420	425	430	
Ser	Gly	Ala	Ala	Pro	Val	Ser	Ile	Glu	Ala	Gly	Ser	Ala	Val	Gly	Lys	435	440	445	

Thr Thr Ser Phe Ala Gly Ser Ser Ala Ser Ser Tyr Ser Pro Ser Glu
 450 455 460
 Ala Ala Leu Lys Asn Phe Thr Pro Ser Glu Thr Pro Thr Met Asp Ile
 465 470 475 480
 Ala Thr Lys Gly Pro Phe Pro Thr Ser Arg Asp Pro Leu Pro Ser Val
 485 490 495
 Pro Pro Thr Thr Thr Asn Ser Ser Arg Gly Thr Asn Ser Thr Leu Ala
 500 505 510
 Lys Ile Thr Thr Ser Ala Lys Thr Thr Met Lys Pro Pro Thr Ala Thr
 515 520 525
 Pro Thr Thr Ala Arg Thr Arg Pro Thr Thr Asp Val Ser Ala Gly Glu
 530 535 540
 Asn Gly Gly Phe Leu Leu Leu Arg Leu Ser Val Ala Ser Pro Glu Asp
 545 550 555 560
 Leu Thr Asp Pro Arg Val Ala Glu Arg Leu Met Gln Gln Leu His Arg
 565 570 575
 Glu Leu His Ala His Ala Pro His Phe Gln Val Ser Leu Leu Arg Val
 580 585 590
 Arg Arg Gly
 595

<210> 1341
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 1341
 Met Trp Asn Pro Trp Ile Ala Met Cys Leu Leu Gly Leu Ser Tyr Ser
 1 5 10 15
 Leu Leu Ala Cys Ala Leu Trp Pro Met Val Ala Phe Val Val Pro Glu
 20 25 30
 His Gln Leu Gly Thr Ala Tyr Gly Phe Met Gln Ser Ile Gln Asn Leu
 35 40 45
 Gly Leu Ala Ile Ile Ser Ile Ile Ala Gly Met Ile Leu Asp Ser Arg
 50 55 60
 Gly Tyr Leu Phe Leu Glu Val Phe Phe Ile Ala Cys Val Ser Leu Ser
 65 70 75 80
 Leu Leu Ser Val Val Leu Leu Tyr Leu Val Asn Arg Ala Gln Gly Gly
 85 90 95

Asn Leu Asn Tyr Ser Ala Arg Gln Arg Glu Glu Ile Lys Phe Ser His
100 105 110

Thr Glu

<210> 1342
<211> 114
<212> PRT
<213> Homo sapiens

<400> 1342
Met Trp Asn Pro Trp Ile Ala Met Cys Leu Leu Gly Leu Ser Tyr Ser
1 5 10 15
Leu Leu Ala Cys Ala Leu Trp Pro Met Val Ala Phe Val Val Pro Glu
20 25 30
His Gln Leu Gly Thr Ala Tyr Gly Phe Met Gln Ser Ile Gln Asn Leu
35 40 45
Gly Leu Ala Ile Ile Ser Ile Ile Ala Gly Met Ile Leu Asp Ser Arg
50 55 60
Gly Tyr Leu Phe Leu Glu Val Phe Phe Ile Ala Cys Val Ser Leu Ser
65 70 75 80
Leu Leu Ser Val Val Leu Leu Tyr Leu Val Asn Arg Ala Gln Gly Gly
85 90 95
Asn Leu Asn Tyr Ser Ala Arg Gln Arg Glu Glu Ile Lys Phe Ser His
100 105 110

Thr Glu

<210> 1343
<211> 114
<212> PRT
<213> Homo sapiens

<400> 1343
Met Trp Asn Pro Trp Ile Ala Met Cys Leu Leu Gly Leu Ser Tyr Ser
1 5 10 15
Leu Leu Ala Cys Ala Leu Trp Pro Met Val Ala Phe Val Val Pro Glu
20 25 30
His Gln Leu Gly Thr Ala Tyr Gly Phe Met Gln Ser Ile Gln Asn Leu
35 40 45
Gly Leu Ala Ile Ile Ser Ile Ile Ala Gly Met Ile Leu Asp Ser Arg
50 55 60

Gly	Tyr	Leu	Phe	Leu	Glu	Val	Phe	Phe	Ile	Ala	Cys	Val	Ser	Leu	Ser
65					70					75					80
Leu	Leu	Ser	Val	Val	Leu	Leu	Tyr	Leu	Val	Asn	Arg	Ala	Gln	Gly	Gly
				85					90					95	
Asn	Leu	Asn	Tyr	Ser	Ala	Arg	Gln	Arg	Glu	Glu	Ile	Lys	Phe	Ser	His
			100					105					110		
Thr	Glu														

<210> 1344
 <211> 465
 <212> PRT
 <213> Homo sapiens

<400> 1344															
Met	Glu	Glu	Glu	Asp	Glu	Glu	Ala	Arg	Ala	Leu	Leu	Ala	Gly	Gly	Pro
1				5					10					15	
Asp	Glu	Ala	Asp	Arg	Gly	Ala	Pro	Ala	Ala	Pro	Gly	Ala	Leu	Pro	Ala
			20					25					30		
Leu	Cys	Asp	Pro	Ser	Arg	Leu	Ala	His	Arg	Leu	Leu	Val	Leu	Leu	Leu
		35					40					45			
Met	Cys	Phe	Leu	Gly	Phe	Gly	Ser	Tyr	Phe	Cys	Tyr	Asp	Asn	Pro	Ala
	50					55					60				
Ala	Leu	Gln	Thr	Gln	Val	Lys	Arg	Asp	Met	Gln	Val	Asn	Thr	Thr	Lys
65					70					75					80
Phe	Met	Leu	Leu	Tyr	Ala	Trp	Tyr	Ser	Trp	Pro	Asn	Val	Val	Leu	Cys
				85					90					95	
Phe	Phe	Gly	Gly	Phe	Leu	Ile	Asp	Arg	Val	Phe	Gly	Ile	Arg	Trp	Gly
			100					105					110		
Thr	Ile	Ile	Phe	Ser	Cys	Phe	Val	Cys	Ile	Gly	Gln	Val	Val	Phe	Ala
		115					120					125			
Leu	Gly	Gly	Ile	Phe	Asn	Ala	Phe	Trp	Leu	Met	Glu	Phe	Gly	Arg	Phe
	130					135					140				
Val	Phe	Gly	Ile	Gly	Gly	Glu	Ser	Leu	Ala	Val	Ala	Gln	Asn	Thr	Tyr
145					150					155					160
Ala	Val	Ser	Trp	Phe	Lys	Gly	Lys	Glu	Leu	Asn	Leu	Val	Phe	Gly	Leu
				165					170					175	
Gln	Leu	Ser	Met	Ala	Arg	Ile	Gly	Ser	Thr	Val	Asn	Met	Asn	Leu	Met
			180					185					190		

Gly	Trp	Leu	Tyr	Ser	Lys	Ile	Glu	Ala	Leu	Leu	Gly	Ser	Ala	Gly	His
		195					200					205			
Thr	Thr	Leu	Gly	Ile	Thr	Leu	Met	Ile	Gly	Gly	Ile	Thr	Cys	Ile	Leu
		210				215					220				
Ser	Leu	Ile	Cys	Ala	Leu	Ala	Leu	Ala	Tyr	Leu	Asp	Gln	Arg	Ala	Glu
225					230					235					240
Arg	Ile	Leu	His	Lys	Glu	Gln	Gly	Lys	Thr	Gly	Glu	Val	Ile	Lys	Leu
				245					250					255	
Thr	Asp	Val	Lys	Asp	Phe	Ser	Leu	Pro	Leu	Trp	Leu	Ile	Phe	Ile	Ile
			260					265					270		
Cys	Val	Cys	Tyr	Tyr	Val	Ala	Val	Phe	Pro	Phe	Ile	Gly	Leu	Gly	Lys
		275					280					285			
Val	Phe	Phe	Thr	Glu	Lys	Phe	Gly	Phe	Ser	Ser	Gln	Ala	Ala	Ser	Ala
	290					295					300				
Ile	Asn	Ser	Val	Val	Tyr	Val	Ile	Ser	Ala	Pro	Met	Ser	Pro	Val	Phe
305					310					315					320
Gly	Leu	Leu	Val	Asp	Lys	Thr	Gly	Lys	Asn	Ile	Ile	Trp	Val	Leu	Cys
				325					330					335	
Ala	Val	Ala	Ala	Thr	Leu	Val	Ser	His	Met	Met	Leu	Ala	Phe	Thr	Met
			340					345					350		
Trp	Asn	Pro	Trp	Ile	Ala	Met	Cys	Leu	Leu	Gly	Leu	Ser	Tyr	Ser	Leu
		355					360					365			
Leu	Ala	Cys	Ala	Leu	Trp	Pro	Met	Val	Ala	Phe	Val	Val	Pro	Glu	His
	370					375					380				
Gln	Leu	Gly	Thr	Ala	Tyr	Gly	Phe	Met	Gln	Ser	Ile	Gln	Asn	Leu	Gly
385					390					395					400
Leu	Ala	Ile	Ile	Ser	Ile	Ile	Ala	Gly	Met	Ile	Leu	Asp	Ser	Arg	Gly
				405					410					415	
Tyr	Leu	Phe	Leu	Glu	Val	Phe	Phe	Ile	Ala	Cys	Val	Ser	Leu	Ser	Leu
			420					425					430		
Leu	Ser	Val	Val	Leu	Leu	Tyr	Leu	Val	Asn	Arg	Ala	Gln	Gly	Gly	Asn
		435					440					445			
Leu	Asn	Tyr	Ser	Ala	Arg	Gln	Arg	Glu	Glu	Ile	Lys	Phe	Ser	His	Thr
	450					455					460				
Glu															
465															

<210> 1345

<211> 83
<212> PRT
<213> Homo sapiens

<400> 1345
Met Gly Leu Lys Ala Leu Pro Glu Pro Phe Met Ser Leu Val Ser His
1 5 10 15
Leu Leu Arg Thr Phe Phe Leu Val Trp Phe Val Gly Leu Pro Val Ala
20 25 30
Ile Leu Gly Asn Leu Leu Glu Cys Tyr Ala Asn Val Phe Thr Gly Asn
35 40 45
Gly Gly Gly Pro Glu Pro Trp Gly Gly His Leu Val Ser Glu Cys Leu
50 55 60
Ala Leu Pro Gln Leu Gly Ile Gln Tyr Leu Ala Leu Ser Gly Gly Ile
65 70 75 80
Ile Trp Leu

<210> 1346
<211> 73
<212> PRT
<213> Homo sapiens

<400> 1346
Met Ser Leu Val Ser His Leu Leu Arg Thr Phe Phe Leu Val Trp Phe
1 5 10 15
Val Gly Leu Pro Val Ala Ile Leu Gly Asn Leu Leu Glu Cys Tyr Ala
20 25 30
Asn Val Phe Thr Gly Asn Gly Gly Gly Pro Glu Pro Trp Gly Gly His
35 40 45
Leu Val Ser Glu Cys Leu Ala Leu Pro Gln Leu Gly Ile Gln Tyr Leu
50 55 60
Ala Leu Ser Gly Gly Ile Ile Trp Leu
65 70

<210> 1347
<211> 83
<212> PRT
<213> Homo sapiens

<400> 1347
Met Gly Leu Lys Ala Leu Pro Glu Pro Phe Met Ser Leu Val Ser His
1 5 10 15

Leu Leu Arg Thr Phe Phe Leu Val Trp Phe Val Gly Leu Pro Val Ala
 20 25 30
 Ile Leu Gly Asn Leu Leu Glu Cys Tyr Ala Asn Val Phe Thr Gly Asn
 35 40 45
 Gly Gly Gly Pro Glu Pro Trp Gly Gly His Leu Val Ser Glu Cys Leu
 50 55 60
 Ala Leu Pro Gln Leu Gly Ile Gln Tyr Leu Ala Leu Ser Gly Gly Ile
 65 70 75 80
 Ile Trp Leu

<210> 1348
 <211> 111
 <212> PRT
 <213> Homo sapiens

<400> 1348

Met Phe Leu Ala Arg Val Pro Phe Leu Phe Thr Ile Val Pro Phe Ser
 1 5 10 15
 Val Leu Arg Ser Met Leu Ser Lys Val Val Arg Ser Thr Glu Gln Gly
 20 25 30
 Thr Leu Phe Ala Cys Ile Ala Phe Leu Glu Thr Leu Gly Gly Val Thr
 35 40 45
 Ala Val Ser Thr Phe Asn Gly Ile Tyr Ser Ala Thr Val Ala Trp Tyr
 50 55 60
 Pro Gly Phe Thr Phe Leu Leu Ser Ala Gly Leu Leu Leu Leu Pro Ala
 65 70 75 80
 Ile Ser Leu Cys Val Val Lys Cys Thr Ser Trp Asn Glu Gly Ser Tyr
 85 90 95
 Glu Leu Leu Ile Gln Glu Glu Ser Ser Glu Asp Ala Ser Asp Arg
 100 105 110

<210> 1349
 <211> 111
 <212> PRT
 <213> Homo sapiens

<400> 1349

Met Phe Leu Ala Arg Val Pro Phe Leu Phe Thr Ile Val Pro Phe Ser
 1 5 10 15
 Val Leu Arg Ser Met Leu Ser Lys Val Val Arg Ser Thr Glu Gln Gly
 20 25 30

Thr	Leu	Phe	Ala	Cys	Ile	Ala	Phe	Leu	Glu	Thr	Leu	Gly	Gly	Val	Thr
		35					40					45			
Ala	Val	Ser	Thr	Phe	Asn	Gly	Ile	Tyr	Ser	Ala	Thr	Val	Ala	Trp	Tyr
	50					55					60				
Pro	Gly	Phe	Thr	Phe	Leu	Leu	Ser	Ala	Gly	Leu	Leu	Leu	Leu	Pro	Ala
65					70					75					80
Ile	Ser	Leu	Cys	Val	Val	Lys	Cys	Thr	Ser	Trp	Asn	Glu	Gly	Ser	Tyr
				85					90					95	
Glu	Leu	Leu	Ile	Gln	Glu	Glu	Ser	Ser	Glu	Asp	Ala	Ser	Asp	Arg	
			100					105					110		

<210> 1350
 <211> 230
 <212> PRT
 <213> Homo sapiens

<400> 1350

Met	Ser	Cys	Ser	Glu	Gly	Phe	Lys	Asn	Leu	Phe	Tyr	Arg	Thr	Tyr	Met
1				5					10					15	
Leu	Phe	Lys	Asn	Ala	Ser	Gly	Lys	Arg	Arg	Phe	Leu	Leu	Cys	Leu	Leu
			20					25					30		
Leu	Phe	Thr	Val	Ile	Thr	Tyr	Phe	Phe	Val	Val	Ile	Gly	Ile	Ala	Pro
		35					40					45			
Ile	Phe	Ile	Leu	Tyr	Glu	Leu	Asp	Ser	Pro	Leu	Cys	Trp	Asn	Glu	Val
	50					55					60				
Phe	Ile	Gly	Tyr	Gly	Ser	Ala	Leu	Gly	Ser	Ala	Ser	Phe	Leu	Thr	Ser
65					70					75					80
Phe	Leu	Gly	Ile	Trp	Leu	Phe	Ser	Tyr	Cys	Met	Glu	Asp	Ile	His	Met
				85					90					95	
Ala	Phe	Ile	Gly	Ile	Phe	Thr	Thr	Met	Thr	Gly	Met	Ala	Met	Thr	Ala
			100					105					110		
Phe	Ala	Ser	Thr	Thr	Leu	Met	Met	Phe	Leu	Ala	Arg	Val	Pro	Phe	Leu
		115					120					125			
Phe	Thr	Ile	Val	Pro	Phe	Ser	Val	Leu	Arg	Ser	Met	Leu	Ser	Lys	Val
	130					135					140				
Val	Arg	Ser	Thr	Glu	Gln	Gly	Thr	Leu	Phe	Ala	Cys	Ile	Ala	Phe	Leu
145					150					155					160
Glu	Thr	Leu	Gly	Gly	Val	Thr	Ala	Val	Ser	Thr	Phe	Asn	Gly	Ile	Tyr
				165					170					175	

Ser Ala Thr Val Ala Trp Tyr Pro Gly Phe Thr Phe Leu Leu Ser Ala
180 185 190

Gly Leu Leu Leu Leu Pro Ala Ile Ser Leu Cys Val Val Lys Cys Thr
195 200 205

Ser Trp Asn Glu Gly Ser Tyr Glu Leu Leu Ile Gln Glu Glu Ser Ser
210 215 220

Glu Asp Ala Ser Asp Arg
225 230

<210> 1351
<211> 137
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1351
Met Tyr Leu Gln Val Glu Thr Arg Thr Ser Ser Arg Leu His Leu Lys
1 5 10 15

Arg Ala Pro Gly Ile Arg Ser Trp Ser Leu Leu Val Gly Ile Leu Ser
20 25 30

Ile Gly Leu Ala Ala Ala Tyr Tyr Ser Gly Asp Ser Leu Gly Trp Lys
35 40 45

Leu Phe Tyr Val Thr Gly Cys Leu Phe Val Ala Val Gln Asn Leu Glu
50 55 60

Asp Trp Glu Glu Ala Ile Phe Asp Lys Ser Thr Gly Lys Val Val Leu
65 70 75 80

Lys Thr Phe Ser Leu Tyr Lys Lys Leu Leu Thr Leu Phe Arg Ala Gly
85 90 95

His Asp Gln Val Val Val Leu Leu His Asp Val Arg Asp Val Xaa Val
100 105 110

Glu Glu Glu Xaa Val Arg Tyr Phe Gly Lys Xaa Tyr Met Val Val Leu

115	120	125
Arg Leu Ala Thr Gly Phe Phe His Pro		
130	135	

<210> 1352
 <211> 124
 <212> PRT
 <213> Homo sapiens

<400> 1352
 Met Tyr Leu Gln Val Glu Thr Arg Thr Ser Ser Arg Leu His Leu Lys
 1 5 10 15
 Arg Ala Pro Gly Ile Arg Ser Trp Ser Leu Leu Val Gly Ile Leu Ser
 20 25 30
 Ile Gly Leu Ala Ala Ala Tyr Tyr Ser Gly Asp Ser Leu Gly Trp Lys
 35 40 45
 Leu Phe Tyr Val Thr Gly Cys Leu Phe Val Ala Val Gln Asn Leu Glu
 50 55 60
 Asp Trp Glu Glu Ala Ile Phe Asp Lys Ser Thr Gly Lys Val Val Leu
 65 70 75 80
 Lys Thr Phe Ser Leu Tyr Lys Lys Leu Leu Thr Leu Phe Arg Ala Gly
 85 90 95
 His Asp Gln Val Val Val Leu Leu His Asp Val Arg Ser Gly Cys Gln
 100 105 110
 Ser Leu Val Ala Gly Gln Gly His His Asn His Lys
 115 120

<210> 1353
 <211> 145
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (135)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1353

Met	Tyr	Leu	Gln	Val	Glu	Thr	Arg	Thr	Ser	Ser	Arg	Leu	His	Leu	Lys
1				5					10					15	
Arg	Ala	Pro	Gly	Ile	Arg	Ser	Trp	Ser	Leu	Leu	Val	Gly	Ile	Leu	Ser
			20					25					30		
Ile	Gly	Leu	Ala	Ala	Ala	Tyr	Tyr	Ser	Gly	Asp	Ser	Leu	Gly	Trp	Lys
		35					40					45			
Leu	Phe	Tyr	Val	Thr	Gly	Cys	Leu	Phe	Val	Ala	Val	Gln	Asn	Leu	Glu
	50					55					60				
Asp	Trp	Glu	Glu	Ala	Ile	Phe	Asp	Lys	Ser	Thr	Gly	Lys	Val	Val	Leu
65					70					75					80
Lys	Thr	Phe	Ser	Leu	Tyr	Lys	Lys	Leu	Leu	Thr	Leu	Phe	Arg	Ala	Gly
				85					90					95	
His	Asp	Gln	Val	Val	Val	Leu	Leu	His	Asp	Val	Arg	Asp	Val	Ser	Val
			100					105					110		
Glu	Glu	Glu	Lys	Val	Arg	Tyr	Phe	Gly	Lys	Xaa	Tyr	Met	Val	Val	Leu
		115					120					125			
Arg	Leu	Ala	Thr	Gly	Phe	Xaa	His	Xaa	Leu	Thr	Gln	Ser	Ala	Asp	Met
	130					135					140				
Gly															
145															

<210> 1354

<211> 89

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1354

Met	Phe	Lys	Asp	Tyr	Pro	Pro	Ala	Ile	Lys	Pro	Ser	Tyr	Asp	Val	Leu
1				5					10					15	
Leu	Leu	Leu	Leu	Leu	Leu	Val	Xaa	Leu	Leu	Gln	Ala	Gly	Leu	Asn	Thr
			20					25					30		

Arg	Tyr	Ala	Glu	Thr	Leu	Phe	Asp	Ile	Leu	Val	Ala	Gly	Gly	Met	Leu	
65					70					75					80	
Ala	Pro	Gly	Gly	Thr	Leu	Ala	Asp	Asp	Met	Met	Arg	Thr	Asp	Val	Cys	
				85					90					95		
Val	Phe	Ala	Ala	Gln	Glu	Asp	Leu	Glu	Thr	Met	Gln	Ala	Phe	Ala	Gln	
			100					105					110			
Val	Phe	Asn	Lys	Leu	Ile	Arg	Arg	Tyr	Lys	Tyr	Leu	Glu	Lys	Gly	Phe	
		115					120					125				
Glu	Asp	Glu	Val	Lys	Lys	Leu	Leu	Leu	Phe	Leu	Lys	Gly	Phe	Ser	Glu	
	130					135					140					
Ser	Glu	Arg	Asn	Lys	Leu	Ala	Met	Leu	Thr	Gly	Val	Leu	Leu	Ala	Asn	
145					150					155					160	
Gly	Thr	Leu	Asn	Ala	Ser	Ile	Leu	Asn	Ser	Leu	Tyr	Asn	Glu	Asn	Leu	
			165						170					175		
Val	Lys	Glu	Gly	Val	Ser	Ala	Ala	Phe	Ala	Val	Lys	Leu	Phe	Lys	Ser	
			180					185					190			
Trp	Ile	Asn	Glu	Lys	Asp	Ile	Asn	Ala	Val	Ala	Ala	Ser	Leu	Arg	Lys	
		195					200					205				
Val	Ser	Met	Asp	Asn	Arg	Leu	Met	Glu	Leu	Phe	Pro	Ala	Asn	Lys	Gln	
	210					215					220					
Ser	Val	Glu	His	Phe	Thr	Lys	Tyr	Phe	Thr	Glu	Ala	Gly	Leu	Lys	Glu	
225					230					235					240	
Leu	Ser	Glu	Tyr	Val	Arg	Asn	Gln	Gln	Thr	Ile	Gly	Ala	Arg	Lys	Glu	
				245					250					255		
Leu	Gln	Lys	Glu	Leu	Gln	Glu	Gln	Met	Ser	Arg	Gly	Asp	Pro	Phe	Lys	
			260					265					270			
Asp	Ile	Ile	Leu	Tyr	Val	Lys	Glu	Glu	Met	Lys	Lys	Asn	Asn	Ile	Pro	
		275					280					285				
Glu	Pro	Val	Val	Ile	Gly	Ile	Val	Trp	Ser	Ser	Val	Met	Ser	Thr	Val	
	290					295					300					
Glu	Trp	Asn	Lys	Lys	Glu	Glu	Leu	Val	Ala	Glu	Gln	Ala	Ile	Lys	His	
305					310					315					320	
Leu	Lys	Gln	Tyr	Ser	Pro	Leu	Leu	Ala	Ala	Phe	Thr	Thr	Gln	Gly	Gln	
				325					330					335		
Ser	Glu	Leu	Thr	Leu	Leu	Leu	Lys	Ile	Gln	Glu	Tyr	Cys	Tyr	Asp	Asn	
			340					345					350			
Ile	His	Phe	Met	Lys	Ala	Phe	Gln	Lys	Ile	Val	Val	Leu	Phe	Tyr	Lys	
		355					360					365				

Ala Glu Val Leu Ser Glu Glu Pro Ile Leu Lys Trp Tyr Lys Asp Ala
370 375 380

His Val Ala Lys Gly Lys Ser Val Phe Leu Glu Gln Met Lys Lys Phe
385 390 395 400

Val Glu Trp Leu Lys Asn Ala Glu Glu Glu Ser Glu Ser Glu Ala Glu
405 410 415

Glu Gly Asp

<210> 1357
<211> 19
<212> PRT
<213> Homo sapiens

<400> 1357
Thr Ile Ala Cys Met Leu Thr Phe Cys Phe Val Leu Phe Cys Phe Val
1 5 10 15

Leu His Phe

<210> 1358
<211> 857
<212> PRT
<213> Homo sapiens

<400> 1358
Met Ser Tyr Tyr Met Ala Asp Arg Lys His Arg Lys Ala Phe Leu Glu
1 5 10 15

Ala Arg Gln Ser Leu Glu Val Lys Met Asn Leu Glu Glu Gln Ser Gln
20 25 30

Gln Gln Glu Asn Leu Met Leu Ser Ile Leu Pro Lys His Val Ala Asp
35 40 45

Glu Met Leu Lys Asp Met Lys Lys Asp Glu Ser Gln Lys Asp Gln Gln
50 55 60

Gln Phe Asn Thr Met Tyr Met Tyr Arg His Glu Asn Val Ser Ile Leu
65 70 75 80

Phe Ala Asp Ile Val Gly Phe Thr Gln Leu Ser Ser Ala Cys Ser Ala
85 90 95

Gln Glu Leu Val Lys Leu Leu Asn Glu Leu Phe Ala Arg Phe Asp Lys
100 105 110

Leu Ala Ala Lys Tyr His Gln Leu Arg Ile Lys Ile Leu Gly Asp Cys

115					120					125					
Tyr	Tyr	Cys	Ile	Cys	Gly	Leu	Pro	Asp	Tyr	Arg	Glu	Asp	His	Ala	Val
	130					135					140				
Cys	Ser	Ile	Leu	Met	Gly	Leu	Ala	Met	Val	Glu	Ala	Ile	Ser	Tyr	Val
145					150					155					160
Arg	Glu	Lys	Thr	Lys	Thr	Gly	Val	Asp	Met	Arg	Val	Gly	Val	His	Thr
				165					170					175	
Gly	Thr	Val	Leu	Gly	Gly	Val	Leu	Gly	Gln	Lys	Arg	Trp	Gln	Tyr	Asp
			180					185					190		
Val	Trp	Ser	Thr	Asp	Val	Thr	Val	Ala	Asn	Lys	Met	Glu	Ala	Gly	Gly
		195					200					205			
Ile	Pro	Gly	Arg	Val	His	Ile	Ser	Gln	Ser	Thr	Met	Asp	Cys	Leu	Lys
	210					215					220				
Gly	Glu	Phe	Asp	Val	Glu	Pro	Gly	Asp	Gly	Gly	Ser	Arg	Cys	Asp	Tyr
225					230					235					240
Leu	Glu	Glu	Lys	Gly	Ile	Glu	Thr	Tyr	Leu	Ile	Ile	Ala	Ser	Lys	Pro
				245					250					255	
Glu	Val	Lys	Lys	Thr	Ala	Thr	Gln	Asn	Gly	Leu	Asn	Gly	Ser	Ala	Leu
			260					265					270		
Pro	Asn	Gly	Ala	Pro	Ala	Ser	Ser	Lys	Ser	Ser	Ser	Pro	Ala	Leu	Ile
		275					280					285			
Glu	Thr	Lys	Glu	Pro	Asn	Gly	Ser	Ala	His	Ser	Ser	Gly	Ser	Thr	Ser
	290					295						300			
Glu	Lys	Pro	Glu	Glu	Gln	Asp	Ala	Gln	Ala	Asp	Asn	Pro	Ser	Phe	Pro
305					310					315					320
Asn	Pro	Arg	Arg	Arg	Leu	Arg	Leu	Gln	Asp	Leu	Ala	Asp	Arg	Val	Val
				325					330					335	
Asp	Ala	Ser	Glu	Asp	Glu	His	Glu	Leu	Asn	Gln	Leu	Leu	Asn	Glu	Ala
			340					345					350		
Leu	Leu	Glu	Arg	Glu	Ser	Ala	Gln	Val	Val	Lys	Lys	Arg	Asn	Thr	Phe
		355					360					365			
Leu	Leu	Ser	Met	Arg	Phe	Met	Asp	Pro	Glu	Met	Glu	Thr	Arg	Tyr	Ser
	370					375					380				
Val	Glu	Lys	Glu	Lys	Gln	Ser	Gly	Ala	Ala	Phe	Ser	Cys	Ser	Cys	Val
385					390					395					400
Val	Leu	Leu	Cys	Thr	Ala	Leu	Val	Glu	Ile	Leu	Ile	Asp	Pro	Trp	Leu
				405					410					415	
Met	Thr	Asn	Tyr	Val	Thr	Phe	Met	Val	Gly	Glu	Ile	Leu	Leu	Leu	Ile

420					425					430					
Leu	Thr	Ile	Cys	Ser	Leu	Ala	Ala	Ile	Phe	Pro	Arg	Ala	Phe	Pro	Lys
		435					440					445			
Lys	Leu	Val	Ala	Phe	Ser	Thr	Trp	Ile	Asp	Arg	Thr	Arg	Trp	Ala	Arg
		450					455					460			
Asn	Thr	Trp	Ala	Met	Leu	Ala	Ile	Phe	Ile	Leu	Val	Met	Ala	Asn	Val
							470					475			480
Val	Asp	Met	Val	Ser	His	Met	Val	Lys	Leu	Thr	Leu	Met	Leu	Leu	Val
							485							495	
Ala	Gly	Ala	Val	Ala	Thr	Ile	Asn	Leu	Tyr	Ala	Trp	Arg	Pro	Val	Phe
			500					505					510		
Asp	Glu	Tyr	Asp	His	Lys	Arg	Phe	Arg	Glu	His	Asp	Leu	Pro	Met	Val
			515				520					525			
Ala	Leu	Glu	Gln	Met	Gln	Gly	Phe	Asn	Pro	Gly	Leu	Asn	Gly	Thr	Asp
		530					535					540			
Arg	Leu	Pro	Leu	Val	Pro	Ser	Lys	Tyr	Ser	Met	Thr	Val	Met	Val	Phe
							550					555			560
Leu	Met	Met	Leu	Ser	Phe	Tyr	Tyr	Phe	Ser	Arg	His	Val	Glu	Lys	Leu
							565					570		575	
Ala	Arg	Thr	Leu	Phe	Leu	Trp	Lys	Ile	Glu	Val	His	Asp	Gln	Lys	Glu
			580					585					590		
Arg	Val	Tyr	Glu	Met	Arg	Arg	Trp	Asn	Glu	Ala	Leu	Val	Thr	Asn	Met
			595				600					605			
Leu	Pro	Glu	His	Val	Ala	Arg	His	Phe	Leu	Gly	Ser	Lys	Lys	Arg	Asp
			610				615					620			
Glu	Glu	Leu	Tyr	Ser	Gln	Thr	Tyr	Asp	Glu	Ile	Gly	Val	Met	Phe	Ala
							630					635			640
Ser	Leu	Pro	Asn	Phe	Ala	Asp	Phe	Tyr	Thr	Glu	Glu	Ser	Ile	Asn	Asn
							645							655	
Gly	Gly	Ile	Glu	Cys	Leu	Arg	Phe	Leu	Asn	Glu	Ile	Ile	Ser	Asp	Phe
			660					665					670		
Asp	Ser	Leu	Leu	Asp	Asn	Pro	Lys	Phe	Arg	Val	Ile	Thr	Lys	Ile	Lys
			675				680					685			
Thr	Ile	Gly	Ser	Thr	Tyr	Met	Ala	Ala	Ser	Gly	Val	Thr	Pro	Asp	Val
							695					700			
Asn	Thr	Asn	Gly	Phe	Ala	Ser	Ser	Asn	Lys	Glu	Asp	Lys	Ser	Glu	Arg
							710					715			720
Glu	Arg	Trp	Gln	His	Leu	Ala	Asp	Leu	Ala	Asp	Phe	Ala	Leu	Ala	Met

725					730					735					
Lys	Asp	Thr	Leu	Thr	Asn	Ile	Asn	Asn	Gln	Ser	Phe	Asn	Asn	Phe	Met
			740					745					750		
Leu	Arg	Ile	Gly	Met	Asn	Lys	Gly	Gly	Val	Leu	Ala	Gly	Val	Ile	Gly
		755					760					765			
Ala	Arg	Lys	Pro	His	Tyr	Asp	Ile	Trp	Gly	Asn	Thr	Val	Asn	Val	Ala
	770					775					780				
Ser	Arg	Met	Glu	Ser	Thr	Gly	Val	Met	Gly	Asn	Ile	Gln	Val	Val	Glu
785					790					795					800
Glu	Thr	Gln	Val	Ile	Leu	Arg	Glu	Tyr	Gly	Phe	Arg	Phe	Val	Arg	Arg
				805					810					815	
Gly	Pro	Ile	Phe	Val	Lys	Gly	Lys	Gly	Glu	Leu	Leu	Thr	Phe	Phe	Leu
			820					825					830		
Lys	Gly	Arg	Asp	Lys	Leu	Ala	Thr	Phe	Pro	Asn	Gly	Pro	Ser	Val	Thr
		835					840					845			
Leu	Pro	His	Gln	Val	Val	Asp	Asn	Ser							
	850					855									

<210> 1359
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 1359															
Met	Val	Pro	Gly	Ala	Ala	Gly	Trp	Cys	Cys	Leu	Val	Leu	Trp	Leu	Pro
1				5				10						15	
Ala	Cys	Val	Ala	Ala	His	Gly	Phe	Arg	Ile	His	Asp	Tyr	Leu	Tyr	Phe
			20					25					30		
Gln	Val	Leu	Ser	Pro	Gly	Asp	Ile	Arg	Tyr	Ile	Phe	Thr	Ala	Thr	Pro
		35					40					45			
Ala	Lys	Asp	Phe	Gly	Gly	Ile	Phe	His	Thr	Arg	Tyr	Glu	Gln	Ile	His
	50					55					60				
Leu	Val	Pro	Ala	Glu	Pro	Pro	Glu	Ala	Cys	Gly	Glu	Leu	Ser	Asn	Gly
65					70					75					80
Phe	Phe	Ile	Gln	Asp	Gln	Ile	Ala	Leu	Val	Glu	Arg	Gly	Gly	Cys	Ser
			85					90						95	
Phe	Leu	Ser	Lys	Thr	Arg	Val	Val	Gln	Glu	His	Gly	Gly	Arg	Ala	Val
			100					105					110		
Ile	Ile	Ser	Asp	Asn	Ala	Val	Asp	Asn	Asp	Ser	Phe	Tyr	Val	Glu	Met
		115					120					125			

Ile	Gln	Asp	Ser	Thr	Gln	Arg	Thr	Ala	Asp	Ile	Pro	Ala	Leu	Phe	Leu
130						135					140				
Leu	Gly	Arg	Asp	Gly	Tyr	Met	Ile	Arg	Arg	Ser	Leu	Glu	Gln	His	Gly
145					150					155					160
Leu	Pro	Trp	Ala	Ile	Ile	Ser	Ile	Pro	Val	Asn	Val	Thr	Ser	Ile	Pro
				165					170					175	
Thr	Phe	Glu	Leu	Leu	Gln	Pro	Pro	Trp	Thr	Phe	Trp				
			180					185							

<210> 1360
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 1360															
Met	Val	Pro	Gly	Ala	Ala	Gly	Trp	Cys	Cys	Leu	Val	Leu	Trp	Leu	Pro
1				5					10					15	
Ala	Cys	Val	Ala	Ala	His	Gly	Phe	Arg	Ile	His	Asp	Tyr	Leu	Tyr	Phe
			20					25					30		
Gln	Val	Leu	Ser	Pro	Gly	Asp	Ile	Arg	Tyr	Ile	Phe	Thr	Ala	Thr	Pro
		35					40					45			
Ala	Lys	Asp	Phe	Gly	Gly	Ile	Phe	His	Thr	Arg	Tyr	Glu	Gln	Ile	His
	50					55					60				
Leu	Val	Pro	Ala	Glu	Pro	Pro	Glu	Ala	Cys	Gly	Glu	Leu	Ser	Asn	Gly
65					70					75					80
Phe	Phe	Ile	Gln	Asp	Gln	Ile	Ala	Leu	Val	Glu	Arg	Gly	Gly	Cys	Ser
				85					90					95	
Phe	Leu	Ser	Lys	Thr	Arg	Val	Val	Gln	Glu	His	Gly	Gly	Arg	Ala	Val
			100					105					110		
Ile	Ile	Ser	Asp	Asn	Ala	Val	Asp	Asn	Asp	Ser	Phe	Tyr	Val	Glu	Met
		115					120					125			
Ile	Gln	Asp	Ser	Thr	Gln	Arg	Thr	Ala	Asp	Ile	Pro	Ala	Leu	Phe	Leu
	130					135					140				
Leu	Gly	Arg	Asp	Gly	Tyr	Met	Ile	Arg	Arg	Ser	Leu	Glu	Gln	His	Gly
145					150					155					160
Leu	Pro	Trp	Ala	Ile	Ile	Ser	Ile	Pro	Val	Asn	Val	Thr	Ser	Ile	Pro
				165					170					175	
Thr	Phe	Glu	Leu	Leu	Gln	Pro	Pro	Trp	Thr	Phe	Trp				
			180					185							

<210> 1361
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1361
Met Arg Lys Ile His Thr Pro Leu Phe Asn Leu Leu Gln Val Arg Leu
1 5 10 15
Gly Phe Val Tyr Phe Pro Cys Phe Thr Phe Pro Xaa Val Gln Ala Val
20 25 30
Val Glu Thr Gly Thr Gln Gly Leu Cys Val Ala Pro Cys Ser Ser Cys
35 40 45
Leu Gln Glu Ala Cys Gly Ala Leu Val Ser Leu Ala Ser Cys Pro Pro
50 55 60
Phe Leu Leu Pro Pro Leu Thr Leu Pro Pro Thr Leu Ser Leu Arg Thr
65 70 75 80
Ser Ser Trp Lys Gly Leu Ala Arg Ala Xaa Val Leu Ala Ser Leu Trp
85 90 95
Gly Gly Arg Leu Cys Gly Leu Lys Gly Cys Arg Leu Lys Leu Gln Gly
100 105 110
Val Gly Ala Trp
115

<210> 1362
<211> 167
<212> PRT
<213> Homo sapiens

<400> 1362
Met Arg Lys Ile His Thr Pro Leu Phe Asn Leu Leu Gln Val Arg Leu
1 5 10 15
Gly Phe Val Tyr Phe Pro Cys Phe Thr Phe Pro Cys Val Gln Ala Val
20 25 30
Val Glu Thr Gly Thr Gln Gly Leu Cys Val Ala Pro Cys Ser Ser Cys

35	40	45
Leu Gln Glu Ala Cys Gly Ala Leu Val Ser Leu Ala Ser Cys Pro Pro		
50	55	60
Phe Leu Leu Pro Pro Leu Thr Leu Pro Pro Thr Leu Ser Leu Arg Thr		
65	70	75 80
Ser Ser Trp Lys Gly Leu Ala Arg Ala Cys Val Leu Ala Ser Leu Trp		
	85	90 95
Gly Gly Arg Leu Cys Gly Leu Lys Gly Cys Arg Leu Lys Leu Gln Gly		
	100	105 110
Val Gly Ala Trp Glu Gly Met Cys Thr Ala Leu Leu Thr Asp Pro Phe		
	115	120 125
Met Phe Ser Phe Phe Asp Ser Val Leu Cys Cys Pro Asp Gly Gly Val		
	130	135 140
Ser Pro Cys Leu Leu Pro Phe Leu Pro Trp Thr Leu Ala Ile Gly Pro		
145	150	155 160
Asp Glu Arg Val His Val Val		
	165	

<210> 1363
 <211> 286
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (204)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (224)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (228)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (264)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (271)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1363

Met Tyr Leu Ser Ala Leu Gln Ser Leu Ile Pro Ser Leu Phe Ala Leu
1 5 10 15

Val Leu Gln Asn Ala Pro Phe Ser Ser Lys Ala Lys Leu His Gly Glu
20 25 30

Val Pro Gln Ile Glu Val Thr Arg Phe Pro Arg Pro Met Ser Pro Leu
35 40 45

Gln Asp Val Ser Thr Ile Ile Gly Ser Arg Glu Gln Leu Ala Val Leu
50 55 60

Leu Gln Leu Tyr Asp Tyr Gln Leu Glu Gln Glu Gly Thr Thr Gly Trp
65 70 75 80

Glu Ser Leu Leu Trp Val Val Asn Gln Leu Leu Pro Gln Leu Ile Glu
85 90 95

Ile Val Gly Lys Ile Asn Val Thr Ser Thr Ala Cys Val His Glu Phe
100 105 110

Ser Arg Phe Phe Trp Arg Leu Cys Arg Thr Phe Gly Lys Ile Phe Thr
115 120 125

Asn Thr Lys Val Lys Pro Gln Phe Gln Glu Ile Leu Arg Leu Ser Glu
130 135 140

Glu Asn Ile Asp Ser Ser Ala Gly Asn Gly Val Leu Thr Lys Ala Thr
145 150 155 160

Val Pro Ile Tyr Ala Thr Gly Val Leu Thr Cys Tyr Ile Gln Glu Glu
165 170 175

Asp Arg Lys Leu Leu Val Gly Phe Leu Glu Asp Val Met Thr Leu Leu
180 185 190

Ser Leu Ser His Ala Pro Leu Asp Ser Leu Lys Xaa Ser Phe Val Glu
195 200 205

Leu Gly Ala Asn Gln Ala Tyr His Glu Leu Leu Leu Thr Val Leu Xaa
210 215 220

Tyr Gly Val Xaa His Thr Ser Ala Leu Val Arg Cys Thr Ala Ala Arg
225 230 235 240

Met Phe Glu Leu Leu Val Lys Gly Val Asn Glu Thr Leu Val Ala Gln
245 250 255

Arg Val Val Pro Ala Leu His Xaa Leu Ser Pro Val Asp Pro Xaa Asn
260 265 270

Leu Cys Gln Asp Cys His Asn Phe Gln Pro Leu Gly Leu Phe
275 280 285

<210> 1364
<211> 283
<212> PRT
<213> Homo sapiens

<400> 1364

Met Tyr Leu Ser Ala Leu Gln Ser Leu Ile Pro Ser Leu Phe Ala Leu
1 5 10 15

Val Leu Gln Asn Ala Pro Phe Ser Ser Lys Ala Lys Leu His Gly Glu
20 25 30

Val Pro Gln Ile Glu Val Thr Arg Phe Pro Arg Pro Met Ser Pro Leu
35 40 45

Gln Asp Val Ser Thr Ile Ile Gly Ser Arg Glu Gln Leu Ala Val Leu
50 55 60

Leu Gln Leu Tyr Asp Tyr Gln Leu Glu Gln Glu Gly Thr Thr Gly Trp
65 70 75 80

Glu Ser Leu Leu Trp Val Val Asn Gln Leu Leu Pro Gln Leu Ile Glu
85 90 95

Ile Val Gly Lys Ile Asn Val Thr Ser Thr Ala Cys Val His Glu Phe
100 105 110

Ser Arg Phe Phe Trp Arg Leu Cys Arg Thr Phe Gly Lys Ile Phe Thr
115 120 125

Asn Thr Lys Val Lys Pro Gln Phe Gln Glu Ile Leu Arg Leu Ser Glu
130 135 140

Glu Asn Ile Asp Ser Ser Ala Gly Asn Gly Val Leu Thr Lys Ala Thr
145 150 155 160

Val Pro Ile Tyr Ala Thr Gly Val Leu Thr Cys Tyr Ile Gln Glu Glu
165 170 175

Asp Arg Lys Leu Leu Val Gly Phe Leu Glu Asp Val Met Thr Leu Leu
180 185 190

Ser Leu Ser His Ala Pro Leu Asp Ser Leu Lys Ala Ser Phe Val Glu
195 200 205

Leu Gly Ala Asn Pro Ala Tyr His Glu Leu Leu Leu Thr Val Leu Trp
210 215 220

Tyr Gly Val Val His Thr Ser Ala Leu Val Arg Cys Thr Ala Ala Arg
225 230 235 240

Met Phe Glu Val Cys Gln His Met Pro Leu Leu Val Ser Ile Ile Met
245 250 255

Ile Phe Phe Phe Leu Arg Arg Arg Arg Glu Phe Phe Leu Ile Lys Arg
260 265 270

Leu Cys Ile Ser Lys Lys Lys Lys Lys Lys Lys
275 280

<210> 1365
<211> 379
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (283)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (303)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (307)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1365
Met Gly Tyr Ile Asp Asp Pro Asp Lys Tyr His Gln Gly Phe Glu Leu
1 5 10 15
Leu Leu Ser Ala Leu Gly Asp Pro Ser Glu Arg Val Val Ser Ala Thr
20 25 30
His Gln Val Phe Leu Pro Ala Tyr Ala Ala Trp Thr Thr Glu Leu Gly
35 40 45
Asn Leu Gln Ser His Leu Ile Leu Thr Leu Leu Asn Lys Ile Glu Lys
50 55 60
Leu Leu Arg Glu Gly Glu His Gly Leu Asp Glu His Lys Leu His Met
65 70 75 80
Tyr Leu Ser Ala Leu Gln Ser Leu Ile Pro Ser Leu Phe Ala Leu Val
85 90 95
Leu Gln Asn Ala Pro Phe Ser Ser Lys Ala Lys Leu His Gly Glu Val
100 105 110
Pro Gln Ile Glu Val Thr Arg Phe Pro Arg Pro Met Ser Pro Leu Gln
115 120 125
Asp Val Ser Thr Ile Ile Gly Ser Arg Glu Gln Leu Ala Val Leu Leu
130 135 140
Gln Leu Tyr Asp Tyr Gln Leu Glu Gln Glu Gly Thr Thr Gly Trp Glu
145 150 155 160

Ser Leu Leu Trp Val Val Asn Gln Leu Leu Pro Gln Leu Ile Glu Ile
 165 170 175
 Val Gly Lys Ile Asn Val Thr Ser Thr Ala Cys Val His Glu Phe Ser
 180 185 190
 Arg Phe Phe Trp Arg Leu Cys Arg Thr Phe Gly Lys Ile Phe Thr Asn
 195 200 205
 Thr Lys Val Lys Pro Gln Phe Gln Glu Ile Leu Arg Leu Ser Glu Glu
 210 215 220
 Asn Ile Asp Ser Ser Ala Gly Asn Gly Val Leu Thr Lys Ala Thr Val
 225 230 235 240
 Pro Ile Tyr Ala Thr Gly Val Leu Thr Cys Tyr Ile Gln Glu Glu Asp
 245 250 255
 Arg Lys Leu Leu Val Gly Phe Leu Glu Asp Val Met Thr Leu Leu Ser
 260 265 270
 Leu Ser His Ala Pro Leu Asp Ser Leu Lys Xaa Ser Phe Val Glu Leu
 275 280 285
 Gly Ala Asn Gln Ala Tyr His Glu Leu Leu Leu Thr Val Leu Xaa Tyr
 290 295 300
 Gly Val Xaa His Thr Ser Ala Leu Val Arg Cys Thr Ala Ala Arg Met
 305 310 315 320
 Phe Glu Leu Leu Val Lys Gly Val Asn Glu Thr Leu Val Ala Gln Arg
 325 330 335
 Val Val Pro Ala Leu Ile Thr Leu Ser Ser Asp Pro Glu Ile Ser Val
 340 345 350
 Arg Ile Ala Thr Ile Pro Ala Phe Gly Thr Ile Met Glu Thr Val Ile
 355 360 365
 Gln Arg Glu Leu Leu Glu Arg Val Lys Met Gln
 370 375

<210> 1366
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 1366
 Met Pro Ala Leu Leu Pro Val Ala Ser Arg Leu Leu Leu Leu Pro Arg
 1 5 10 15
 Val Leu Leu Thr Met Ala Ser Gly Ser Pro Pro Thr Gln Pro Ser Pro
 20 25 30
 Ala Ser Asp Ser Gly Ser Gly Tyr Val Pro Gly Ser Val Ser Ala Ala

	35		40		45										
Phe	Val	Thr	Cys	Pro	Asn	Glu	Lys	Val	Ala	Lys	Glu	Ile	Ala	Arg	Ala
	50					55					60				
Val	Val	Glu	Lys	Arg	Leu	Ala	Ala	Cys	Val	Asn	Leu	Ile	Pro	Gln	Ile
	65				70					75					80
Thr	Ser	Ile	Tyr	Glu	Trp	Lys	Gly	Lys	Ile	Glu	Glu	Asp	Ser	Glu	Val
				85					90					95	
Leu	Met	Met	Ile	Lys	Thr	Gln	Ser	Ser	Leu	Val	Pro	Ala	Leu	Thr	Asp
			100					105					110		
Phe	Val	Arg	Ser	Val	His	Pro	Tyr	Glu	Val	Ala	Glu	Val	Ile	Ala	Leu
		115					120					125			
Pro	Val	Glu	Gln	Gly	Asn	Phe	Pro	Tyr	Leu	Gln	Trp	Val	Arg	Gln	Val
	130					135					140				
Thr	Glu	Ser	Val	Ser	Asp	Ser	Ile	Thr	Val	Leu	Pro				
145					150					155					

<210> 1367
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 1367															
Met	Pro	Ala	Leu	Leu	Pro	Val	Ala	Ser	Arg	Leu	Leu	Leu	Leu	Pro	Arg
1				5					10					15	
Val	Leu	Leu	Thr	Met	Ala	Ser	Gly	Ser	Pro	Pro	Thr	Gln	Pro	Ser	Pro
			20					25					30		
Ala	Ser	Asp	Ser	Gly	Ser	Gly	Tyr	Val	Pro	Gly	Ser	Val	Ser	Ala	Ala
		35					40					45			
Phe	Val	Thr	Cys	Pro	Asn	Glu	Lys	Val	Ala	Lys	Glu	Ile	Ala	Arg	Ala
	50					55					60				
Val	Val	Glu	Lys	Arg	Leu	Ala	Ala	Cys	Val	Asn	Leu	Ile	Pro	Gln	Ile
	65				70					75					80
Thr	Ser	Ile	Tyr	Glu	Trp	Lys	Gly	Lys	Ile	Glu	Glu	Asp	Ser	Glu	Val
				85					90					95	
Leu	Met	Met	Ile	Lys	Thr	Gln	Ser	Ser	Leu	Val	Pro	Ala	Leu	Thr	Asp
			100					105					110		
Phe	Val	Arg	Ser	Val	His	Pro	Tyr	Glu	Val	Ala	Glu	Val	Ile	Ala	Leu
		115					120					125			
Pro	Val	Glu	Gln	Gly	Asn	Phe	Pro	Tyr	Leu	Gln	Trp	Val	Arg	Gln	Val
	130					135					140				

Thr Glu Ser Val Ser Asp Ser Ile Thr Val Leu Pro
145 150 155

<210> 1368
<211> 442
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (164)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (247)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1368
Met Trp Arg Leu Pro Gly Leu Leu Gly Arg Ala Leu Pro Arg Thr Leu
1 5 10 15

Gly Pro Ser Leu Trp Arg Val Thr Pro Lys Ser Thr Ser Pro Asp Gly
20 25 30

Pro Gln Thr Thr Ser Ser Thr Leu Leu Val Pro Val Pro Asn Leu Asp
35 40 45

Arg Ser Gly Pro His Gly Pro Gly Thr Ser Gly Gly Pro Arg Ser His
50 55 60

Gly Trp Lys Asp Ala Phe Gln Trp Met Ser Ser Arg Val Ser Pro Asn
65 70 75 80

Thr Leu Trp Asp Ala Ile Ser Trp Gly Thr Leu Ala Val Leu Ala Leu
85 90 95

Gln Leu Ala Arg Gln Ile His Phe Gln Ala Ser Leu Pro Ala Gly Pro
100 105 110

Gln Arg Val Glu His Cys Ser Trp His Ser Pro Leu Asp Arg Phe Phe
115 120 125

Ser Ser Pro Leu Trp His Pro Cys Ser Ser Leu Arg Gln His Ile Leu
130 135 140

Pro Ser Pro Asp Gly Pro Ala Pro Arg His Thr Gly Leu Arg Glu Pro
145 150 155 160

Arg Leu Gly Xaa Glu Glu Ala Ser Ala Gln Pro Arg Asn Phe Ser His
165 170 175

Asn Ser Leu Arg Gly Ala Arg Pro Gln Asp Pro Ser Glu Glu Gly Pro
180 185 190

Met Gly Leu Arg Leu Pro Pro Pro Leu Cys Trp Phe Leu Cys Leu Thr
1 5 10 15
Ser Thr Gly Gln Val Pro Met Ala Gln Ala Arg Ala Gly Val Gln Gly
20 25 30
Pro Met Asp Gly Arg Met Pro Ser Asn Gly Cys Leu Pro Val Ser Pro
35 40 45
Arg Thr Pro Tyr Gly Met Pro Tyr Leu Gly Ala Leu Trp Pro Cys Trp
50 55 60
Pro Cys Ser Trp Gln Gly Arg Ser Thr Ser Arg His Pro Cys Gln Gln
65 70 75 80
Asp Leu Ser Gly

<210> 1370
<211> 129
<212> PRT
<213> Homo sapiens

<400> 1370
Met Val Gly Val Gln Ile Trp Thr Leu Thr Cys Cys Val Ile Leu Val
1 5 10 15
Val Val Leu Pro Phe Ser Val Pro His Ser Leu Ile Cys Arg Met Gly
20 25 30
Leu Ile Ala Thr Ser Val Leu Gln Gly His Gly Lys Ser Lys Met Ile
35 40 45
Asn Ala Thr Val Cys Leu Ala Leu Gly Leu Pro Arg Val Pro Arg Glu
50 55 60
Asp Gln Leu Ile Val Ser Leu Asp Pro Gln Ser Ser Glu Ser Ala Ser
65 70 75 80
Leu Glu Ala Leu Leu Lys Tyr Ser Phe Leu Gly Pro Pro Ser Leu Phe
85 90 95
Pro Ile Gln Trp Ser Gly Leu Gly Leu Ser Ile Ser Val Ser Tyr Gln
100 105 110
Phe Gln Val Thr Leu Val Pro Leu Ala Trp Gly Pro Asn Ser Gln Asp
115 120 125
Pro

<210> 1371
<211> 53

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1371
Xaa Xaa Asp Thr Gln Gly Arg Val Arg Gly Arg His Glu Glu Trp Gly
1 5 10 15
Gly Arg Arg Trp Arg Lys Glu Gly Ser Glu Gln Arg Ala Pro Gly Met
20 25 30
Ala Trp Lys Arg Leu Ser Pro Trp Ile Leu Trp Val Gly Ala Ser Gly
35 40 45
Leu Thr Ser Xaa Xaa
50

<210> 1372
<211> 129
<212> PRT
<213> Homo sapiens

<400> 1372
Met Val Gly Val Gln Ile Trp Thr Leu Thr Cys Cys Val Ile Leu Val
1 5 10 15
Val Val Leu Pro Phe Ser Val Pro His Ser Leu Ile Cys Arg Met Gly
20 25 30
Leu Ile Ala Thr Ser Val Leu Gln Gly His Gly Lys Ser Lys Met Ile
35 40 45
Asn Ala Thr Val Cys Leu Ala Leu Gly Leu Pro Arg Val Pro Arg Glu
50 55 60
Asp Gln Leu Ile Val Ser Leu Asp Pro Gln Ser Ser Glu Ser Ala Ser

65		70		75		80									
Leu	Glu	Ala	Leu	Leu	Lys	Tyr	Ser	Phe	Leu	Gly	Pro	Pro	Ser	Leu	Phe
			85						90					95	
Pro	Ile	Gln	Trp	Ser	Gly	Leu	Gly	Leu	Ser	Ile	Ser	Val	Ser	Tyr	Gln
		100						105					110		
Phe	Gln	Val	Thr	Leu	Val	Pro	Leu	Ala	Trp	Gly	Pro	Asn	Ser	Gln	Asp
	115						120					125			

Pro

<210> 1373
 <211> 117
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (114)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1373
 Met Gly Phe Leu Phe Leu Leu Gly Leu Tyr Ile Ser Ser Leu Ala Ser
 1 5 10 15
 Cys Met Gly Gly Leu Tyr Gly Ala Pro Arg Ile Leu Gln Cys Ile Ala
 20 25 30
 Gln Glu Lys Val Ile Pro Ala Leu Ala Cys Leu Gly Gln Gly Lys Gly
 35 40 45
 Pro Asn Lys Thr Pro Val Ala Ala Ile Cys Leu Thr Ser Leu Val Thr
 50 55 60
 Met Ala Phe Val Phe Val Gly Gln Val Asn Val Leu Ala Pro Ile Val
 65 70 75 80
 Thr Ile Asn Phe Met Leu Thr Tyr Val Ala Val Asp Tyr Ser Tyr Phe
 85 90 95
 Ser Leu Ser Met Cys Ser Cys Ser Leu Thr Pro Val Pro Glu Pro Val
 100 105 110
 Leu Xaa Glu Gly Ala
 115

<210> 1374
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1374
Gln Gly Thr Pro Arg Leu Cys Thr Thr Arg Leu Leu Val Gln Arg Ala
1 5 10 15
Thr Ile Ser Val Cys Phe Ile Phe Tyr Cys Ile Ile Tyr Ser Lys Ile
20 25 30
Asn Asn Thr Leu Thr Cys Phe His Thr Gln Lys Ile Tyr Arg Val Lys
35 40 45
Ser Leu Pro Pro Ile Leu Ile Leu His Leu Leu Ser Ser Cys Leu Pro
50 55 60
Trp Pro Arg Gly Asn His Tyr Ser His Pro Tyr Ile Gln His Phe Phe
65 70 75 80
Met Asp Ile Gln Xaa Asn Gly Asn Val Xaa Ser His Ile Ser Leu Phe
85 90 95
Xaa Pro

<210> 1375
<211> 407
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1375
Met Gly Phe Leu Phe Leu Leu Gly Leu Tyr Ile Ser Ser Leu Ala Ser
1 5 10 15
Cys Met Gly Gly Leu Tyr Gly Ala Pro Arg Ile Leu Gln Cys Ile Ala
20 25 30

Gln	Glu	Lys	Val	Ile	Pro	Ala	Leu	Ala	Cys	Leu	Gly	Gln	Gly	Lys	Gly	35	40	45	
Pro	Asn	Lys	Thr	Pro	Val	Ala	Ala	Ile	Cys	Leu	Thr	Ser	Leu	Val	Thr	50	55	60	
Met	Ala	Phe	Val	Phe	Val	Gly	Gln	Val	Asn	Val	Leu	Ala	Pro	Ile	Val	65	70	75	80
Thr	Ile	Asn	Phe	Met	Leu	Thr	Tyr	Val	Ala	Val	Asp	Tyr	Ser	Tyr	Phe	85	90	95	
Ser	Leu	Ser	Met	Cys	Ser	Cys	Ser	Leu	Thr	Pro	Val	Pro	Glu	Pro	Val	100	105	110	
Leu	Xaa	Glu	Gly	Ala	Glu	Gly	Leu	His	Cys	Ser	Glu	His	Leu	Leu	Leu	115	120	125	
Glu	Lys	Ala	Pro	Ser	Tyr	Gly	Ser	Glu	Gly	Pro	Ala	Gln	Arg	Val	Leu	130	135	140	
Glu	Gly	Thr	Leu	Leu	Glu	Phe	Thr	Lys	Asp	Met	Asp	Gln	Leu	Leu	Gln	145	150	155	160
Leu	Thr	Arg	Lys	Leu	Glu	Ser	Ser	Gln	Pro	Arg	Gln	Gly	Glu	Gly	Asn	165	170	175	
Arg	Thr	Pro	Glu	Ser	Gln	Lys	Arg	Lys	Ser	Lys	Lys	Ala	Thr	Lys	Gln	180	185	190	
Thr	Leu	Gln	Asp	Ser	Phe	Leu	Leu	Asp	Leu	Lys	Ser	Pro	Pro	Ser	Phe	195	200	205	
Pro	Val	Glu	Ile	Ser	Asp	Arg	Leu	Pro	Ala	Ala	Ser	Trp	Glu	Gly	Gln	210	215	220	
Glu	Ser	Cys	Trp	Asn	Lys	Gln	Thr	Ser	Lys	Ser	Glu	Gly	Thr	Gln	Pro	225	230	235	240
Glu	Gly	Thr	Tyr	Gly	Glu	Gln	Leu	Val	Pro	Glu	Leu	Cys	Asn	Gln	Ser	245	250	255	
Glu	Ser	Ser	Gly	Glu	Asp	Phe	Phe	Leu	Lys	Ser	Arg	Leu	Gln	Glu	Gln	260	265	270	
Asp	Val	Trp	Arg	Arg	Ser	Thr	Ser	Phe	Tyr	Thr	His	Met	Cys	Asn	Pro	275	280	285	
Trp	Val	Ser	Leu	Leu	Gly	Ala	Val	Gly	Ser	Leu	Leu	Ile	Met	Phe	Val	290	295	300	
Ile	Gln	Trp	Val	Tyr	Thr	Leu	Val	Asn	Met	Gly	Val	Ala	Ala	Ile	Val	305	310	315	320
Tyr	Phe	Tyr	Ile	Gly	Arg	Ala	Ser	Pro	Gly	Leu	His	Leu	Gly	Ser	Ala	325	330	335	

Ser Asn Phe Ser Phe Phe Arg Trp Met Arg Ser Leu Leu Leu Pro Ser
 340 345 350
 Cys Arg Ser Leu Gln Ser Pro Gln Glu Gln Ile Ile Leu Ala Pro Ser
 355 360 365
 Leu Ala Lys Val Asp Met Glu Met Thr Gln Leu Thr Gln Glu Asn Ala
 370 375 380
 Asp Phe Ala Thr Arg Asp Arg Tyr His His Ser Ser Leu Val Asn Arg
 385 390 395 400
 Glu Gln Leu Met Pro His Tyr
 405

<210> 1376
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 1376
 Met Leu Ser Gly Arg Leu Val Leu Gly Leu Val Ser Met Ala Gly Arg
 1 5 10 15
 Val Cys Leu Cys Gln Gly Ser Ala Gly Ser Gly Ala Ile Gly Pro Val
 20 25 30
 Glu Ala Ala Ile Arg Thr Lys Leu Glu Glu Ala Leu Ser Pro Glu Val
 35 40 45
 Leu Glu Leu Arg Asn Glu Ser Gly Gly His Ala Val Pro Pro Gly Ser
 50 55 60
 Glu Thr His Phe Arg Val Ala Val Val Ser Ser Arg Phe Glu Gly Leu
 65 70 75 80
 Ser Pro Leu Gln Arg His Arg Leu Val His Ala Ala Leu Ala Glu Glu
 85 90 95
 Leu Gly Gly Pro Val His Ala Leu Ala Ile Gln Ala Arg Thr Pro Ala
 100 105 110
 Gln Trp Arg Glu Asn Ser Gln Leu Asp Thr Ser Pro Pro Cys Leu Gly
 115 120 125
 Gly Asn Lys Lys Thr Leu Gly Thr Pro
 130 135

<210> 1377
 <211> 143
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (104)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1377
 Phe Gly Pro Ala Val Phe Gly Phe Gly Ser Pro Arg Gly Lys Pro Pro
 1 5 10 15
 Gly Asn Xaa Arg Gly Gly Pro Ile Arg Val Pro Gly Phe Gly Arg Pro
 20 25 30
 Arg Pro Ile Ser Ala Pro Glu Val Trp Glu Gly Arg Pro Leu Xaa Ala
 35 40 45
 Pro Arg Ser Cys Phe Arg Asn Phe Arg Xaa Arg Arg Ser Gly Gly His
 50 55 60
 Ala Val Pro Pro Gly Ser Glu Thr His Phe Arg Val Ala Val Val Ser
 65 70 75 80
 Ser Arg Phe Glu Gly Leu Ser Pro Leu Gln Arg His Arg Leu Val His
 85 90 95
 Ala Ala Leu Ala Glu Glu Leu Xaa Gly Pro Val His Ala Leu Ala Ile
 100 105 110
 Gln Ala Arg Thr Pro Ala Gln Trp Arg Glu Asn Ser Gln Leu Asp Thr
 115 120 125
 Ser Pro Pro Cys Leu Gly Gly Asn Lys Lys Thr Leu Gly Thr Pro
 130 135 140

<210> 1378
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 1378
 Met Leu Ser Gly Arg Leu Val Leu Gly Leu Val Ser Met Ala Gly Arg

1	5	10	15
Val Cys Leu Cys Gln Gly Ser Ala Gly Ser Gly Ala Ile Gly Pro Val	20	25	30
Glu Ala Ala Ile Arg Thr Lys Leu Glu Glu Ala Leu Ser Pro Glu Val	35	40	45
Leu Glu Leu Arg Asn Glu Ser Gly Gly His Ala Val Pro Pro Gly Ser	50	55	60
Glu Thr His Phe Arg Val Ala Val Val Ser Ser Arg Phe Glu Gly Leu	65	70	75
Ser Pro Leu Gln Arg His Arg Leu Val His Ala Ala Leu Ala Glu Glu	85	90	95
Leu Gly Gly Pro Val His Ala Leu Ala Ile Gln Ala Arg Thr Pro Ala	100	105	110
Gln Trp Arg Glu Asn Ser Gln Leu Asp Thr Ser Pro Pro Cys Leu Gly	115	120	125
Gly Asn Lys Lys Thr Leu Gly Thr Pro	130	135	

<210> 1379
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1379
Met Ile Arg Arg Leu Val Phe Ala Ala Phe Pro Arg Leu Phe Pro Val
1 5 10 15
Xaa Leu Pro Ser Met Leu Thr His Trp Ala Ser Leu Ala Val Ile Pro
20 25 30
Thr Met Thr Ala Thr Ser Val Gly Lys Ala Pro Pro Gly Pro Leu Pro
35 40 45
Asp Ala Ser Pro Ser Leu Arg Leu Pro Ala Arg Arg Arg Pro Asp Pro
50 55 60
Val Gly Ala Cys Arg Gly Val Arg Gly Met Ala Asp Leu Met Val Pro
65 70 75 80
Leu Pro

<210> 1380
<211> 254
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (176)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (210)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (214)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (237)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (246)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1380
Glu Phe Gly Thr Ser Leu Lys Val Arg Gly Phe Ile Leu Glu Val Ser
1 5 10 15
Glu Thr Thr Asn Pro Pro Glu Gly Thr Asn Ser Gly His Ser Gly Met
20 25 30
Val Ser Ala Leu Cys Gly Leu Cys Leu Leu Gly Ser Asn Asp Ser Pro
35 40 45
Ala Ser Ala Ser Gln Val Ala Gly Thr Thr Gly Leu Ser Lys Ser Leu
50 55 60
Gly Leu Ile Glu Gly Tyr Gly Gly Arg Gly Lys Gly Gly Leu Pro Ala
65 70 75 80
Thr Leu Ser Pro Ala Glu Glu Glu Lys Ala Lys Gly Pro His Glu Lys
85 90 95
Tyr Gly Tyr Asn Ser Tyr Leu Ser Glu Lys Ile Ser Leu Asp Arg Ser
100 105 110
Ile Pro Asp Tyr Arg Pro Thr Lys Cys Lys Glu Leu Lys Tyr Ser Lys
115 120 125

Asp	Leu	Pro	Gln	Ile	Ser	Ile	Ile	Phe	Ile	Phe	Val	Asn	Glu	Ala	Leu
130						135					140				
Ser	Val	Ile	Leu	Arg	Ser	Val	His	Ser	Ala	Val	Asn	His	Thr	Pro	Thr
145					150					155					160
His	Leu	Leu	Lys	Glu	Ile	Ile	Leu	Val	Asp	Asp	Asn	Ser	Asp	Glu	Xaa
				165					170					175	
Glu	Leu	Lys	Val	Pro	Leu	Glu	Glu	Tyr	Val	His	Lys	Arg	Tyr	Pro	Gly
			180					185					190		
Leu	Val	Lys	Val	Val	Arg	Asn	Gln	Lys	Arg	Glu	Ser	Leu	Ile	Arg	Ala
		195					200					205			
Arg	Xaa	Glu	Gly	Trp	Xaa	Val	Ala	Thr	Gly	Gln	Val	Thr	Gly	Phe	Phe
	210					215					220				
Asp	Ala	Pro	Arg	Gly	Ile	His	Arg	Leu	Leu	Gly	Leu	Xaa	Arg	Val	Tyr
225					230					235					240
Pro	Asp	Pro	Gly	Lys	Xaa	Arg	Lys	Arg	Gly	Asn	Leu	Pro	Leu		
				245					250						

<210> 1381
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 1381															
Gly	Arg	Glu	Phe	Glu	Thr	Ser	Leu	Asp	Asn	Ile	Ala	Arg	Asp	Pro	Val
1				5					10					15	
Cys	Ile	Thr	Ser	Leu	Lys	Ile	Asp	Trp	Ala	Trp	Trp	Cys	Met	Met	Val
			20					25					30		
Val	Pro	Ala	Thr	Arg	Gly	Thr	Gly	Ala	Glu	Gly	Ser	Leu	Glu	Ser	Arg
		35					40					45			
Phe	Gln	Ala	Ala	Val	Gly	Cys	Asp	Cys	Val	Thr	Ala	Leu	Gln	Pro	Gly
	50					55					60				
Gln	Gln	Ser	Glu	Thr	Leu	Ser	Leu	Lys	Lys						
65					70										

<210> 1382
 <211> 273
 <212> PRT
 <213> Homo sapiens

<400> 1382															
Met	Val	Ser	Ala	Leu	Cys	Gly	Leu	Cys	Leu	Leu	Gly	Ser	Asn	Asp	Ser
1				5					10					15	

Pro	Ala	Ser	Ala	Ser	Gln	Val	Ala	Gly	Thr	Thr	Gly	Leu	Ser	Lys	Ser		
			20					25					30				
Leu	Gly	Leu	Ile	Glu	Gly	Tyr	Gly	Gly	Arg	Gly	Lys	Gly	Gly	Leu	Pro		
		35					40					45					
Ala	Thr	Leu	Ser	Pro	Ala	Glu	Glu	Glu	Lys	Ala	Lys	Gly	Pro	His	Glu		
	50					55					60						
Lys	Tyr	Gly	Tyr	Asn	Ser	Tyr	Leu	Ser	Glu	Lys	Ile	Ser	Leu	Asp	Arg		
65					70					75					80		
Ser	Ile	Pro	Asp	Tyr	Arg	Pro	Thr	Lys	Cys	Lys	Glu	Leu	Lys	Tyr	Ser		
				85					90					95			
Lys	Asp	Leu	Pro	Gln	Ile	Ser	Ile	Ile	Phe	Ile	Phe	Val	Asn	Glu	Ala		
			100					105					110				
Leu	Ser	Val	Ile	Leu	Arg	Ser	Val	His	Ser	Ala	Val	Asn	His	Thr	Pro		
		115					120					125					
Thr	His	Leu	Leu	Lys	Glu	Ile	Ile	Leu	Val	Asp	Asp	Asn	Ser	Asp	Glu		
	130					135					140						
Glu	Glu	Leu	Lys	Val	Pro	Leu	Glu	Glu	Tyr	Val	His	Lys	Arg	Tyr	Pro		
145					150					155					160		
Gly	Leu	Val	Lys	Val	Val	Arg	Asn	Gln	Lys	Arg	Glu	Gly	Leu	Ile	Arg		
				165					170					175			
Ala	Arg	Ile	Glu	Gly	Trp	Lys	Val	Ala	Thr	Gly	Gln	Val	Thr	Gly	Phe		
			180					185					190				
Phe	Asp	Ala	His	Val	Glu	Phe	Thr	Ala	Gly	Trp	Ala	Glu	Pro	Val	Leu		
	195						200					205					
Ser	Arg	Ile	Gln	Glu	Asn	Arg	Lys	Arg	Val	Ile	Leu	Pro	Ser	Ile	Asp		
	210					215					220						
Asn	Ile	Lys	Gln	Asp	Asn	Phe	Glu	Val	Gln	Arg	Tyr	Glu	Asn	Ser	Ala		
225					230					235					240		
His	Gly	Tyr	Ser	Trp	Glu	Leu	Trp	Cys	Met	Tyr	Ile	Ser	Pro	Pro	Lys		
				245					250					255			
Asp	Trp	Trp	Asp	Ala	Gly	Asp	Pro	Ser	Leu	Pro	Ile	Ser	Asp	Arg	Phe		
			260					265					270				

Ser

<210> 1383

<211> 238

<212> PRT

<213> Homo sapiens

<400> 1383

Met	Gln	Gln	Gly	Pro	Lys	Glu	Phe	Ile	Glu	Cys	Val	Ser	His	Ile	Arg
1				5					10					15	
Leu	Leu	Ser	Trp	Leu	Leu	Leu	Gly	Ser	Leu	Thr	His	Asn	Ala	Val	Cys
			20					25					30		
Pro	Asn	Ala	Ser	Ser	Pro	Cys	Leu	Pro	Ile	Pro	Leu	Asp	Ala	Gly	Ser
		35					40					45			
His	Val	Ala	Asp	His	Leu	Ile	Val	Ile	Leu	Ile	Gly	Phe	Pro	Glu	Gln
	50					55					60				
Ser	Lys	Thr	Ser	Val	Leu	His	Met	Cys	Ser	Leu	Phe	His	Ala	Phe	Ile
65					70					75					80
Phe	Ala	Gln	Leu	Trp	Thr	Val	Tyr	Cys	Glu	Gln	Ser	Ala	Val	Ala	Thr
				85					90					95	
Asn	Leu	Gln	Asn	Gln	Asn	Glu	Phe	Ser	Phe	Thr	Ala	Ile	Leu	Thr	Ala
			100					105					110		
Leu	Glu	Phe	Trp	Ser	Arg	Val	Thr	Pro	Ser	Ile	Leu	Gln	Leu	Met	Ala
		115					120					125			
His	Asn	Lys	Val	Met	Val	Glu	Met	Val	Cys	Leu	His	Val	Ile	Ser	Leu
	130					135					140				
Met	Glu	Ala	Leu	Gln	Glu	Cys	Asn	Ser	Thr	Ile	Phe	Val	Lys	Leu	Ile
145					150					155					160
Pro	Met	Trp	Leu	Pro	Met	Ile	Gln	Ser	Asn	Ile	Lys	His	Leu	Ser	Ala
				165					170					175	
Gly	Leu	Gln	Leu	Arg	Leu	Gln	Ala	Ile	Gln	Asn	His	Val	Asn	His	His
			180					185					190		
Ser	Leu	Arg	Thr	Leu	Pro	Gly	Ser	Gly	Gln	Ser	Ser	Ala	Gly	Leu	Ala
		195					200					205			
Ala	Leu	Arg	Lys	Trp	Leu	Gln	Cys	Thr	Gln	Phe	Lys	Met	Ala	Gln	Val
	210					215					220				
Glu	Ile	Gln	Ser	Ser	Glu	Ala	Ala	Ser	Gln	Phe	Tyr	Pro	Leu		
225					230					235					

<210> 1384

<211> 227

<212> PRT

<213> Homo sapiens

<400> 1384

His Glu Leu Lys Val Gly Leu Ala Gln Ile Ala Ala Met Asp Ile Ser

1		5		10		15									
Arg	Gly	Asn	His	Arg	Asp	Asn	Lys	Ala	Val	Ile	Arg	Tyr	Leu	Pro	Trp
			20					25					30		
Leu	Tyr	His	Pro	Pro	Ser	Ala	Met	Gln	Gln	Gly	Pro	Lys	Glu	Phe	Ile
		35					40					45			
Glu	Cys	Val	Ser	His	Ile	Arg	Leu	Leu	Ser	Trp	Leu	Leu	Leu	Gly	Ser
	50					55					60				
Leu	Thr	His	Asn	Ala	Val	Cys	Pro	Asn	Ala	Ser	Ser	Pro	Cys	Leu	Pro
65					70					75					80
Ile	Pro	Leu	Asp	Ala	Gly	Ser	His	Val	Ala	Asp	His	Leu	Ile	Val	Ile
				85					90					95	
Leu	Ile	Gly	Phe	Pro	Glu	Gln	Ser	Lys	Thr	Ser	Val	Leu	His	Met	Cys
		100						105					110		
Ser	Leu	Phe	His	Ala	Phe	Ile	Phe	Ala	Gln	Leu	Trp	Thr	Val	Tyr	Cys
	115						120					125			
Glu	Gln	Ser	Ala	Val	Ala	Thr	Asn	Leu	Gln	Asn	Gln	Asn	Glu	Phe	Ser
	130					135					140				
Phe	Thr	Ala	Ile	Leu	Thr	Ala	Leu	Glu	Phe	Trp	Ser	Arg	Val	Thr	Pro
145					150					155					160
Ser	Ile	Leu	Gln	Leu	Met	Ala	His	Asn	Lys	Val	Met	Val	Glu	Met	Val
				165					170					175	
Cys	Leu	His	Val	Ile	Ser	Leu	Met	Glu	Ala	Leu	Gln	Glu	Cys	Asn	Ser
			180					185					190		
Thr	Ile	Phe	Val	Lys	Leu	Ile	Pro	Met	Trp	Leu	Pro	Met	Ile	Gln	Ser
		195					200					205			
Asn	Ile	Lys	His	Leu	Ser	Ala	Gly	Leu	Gln	Phe	Ala	Ser	Arg	Leu	Phe
	210					215					220				
Arg	Thr	Thr													
225															

<210> 1385
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 1385
 Met Ser Thr Cys Cys Thr Ser Ala Leu Gln Tyr Leu Leu Ala Leu Phe
 1 5 10 15
 Pro Leu Pro Ala Pro Asn Cys Val Ser Tyr Arg Ser Gln Gly Ser Ser
 20 25 30

Cys Tyr Leu Leu Leu Gln Ile Gln Lys Pro Arg Leu Arg Glu Glu Pro
 35 40 45
 Glu Trp Pro Gln Pro Gln Ser Lys Ser Met Arg Gly Ser Met Lys Leu
 50 55 60
 Gly Phe Phe Pro His Cys Thr Arg Leu Leu Pro Ser Trp Gly Gly Gly
 65 70 75 80
 Gly Arg Cys Ser Gly
 85

<210> 1386
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1386
 Leu Leu Gly Cys Thr Lys Ile Gly Gly Arg Ser Asp Leu Ala Gly Pro
 1 5 10 15
 Trp Val Arg Xaa Arg Ser Leu Glu Pro Thr Cys Val Gly Met Asn Pro
 20 25 30
 Gly Ser Ala Gly Cys Pro Leu Val Ser Gly Ser Thr Ser Leu Cys Phe
 35 40 45
 Arg Val Leu Ile Tyr Lys Met Gly Met Met Met Met Ile Leu Trp Gly
 50 55 60
 Cys Asn Met Val Gln Ser His Trp Lys Ser Leu Ala Val Pro Gln Lys
 65 70 75 80
 Val Lys His Lys Ser Tyr His Met Ile Gln Val Trp Gln His Ile Pro
 85 90 95
 Val Val Pro Ala Thr Gln Glu Asp His Leu Ser Pro Gly Val
 100 105 110

<210> 1387
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 1387
 Met Ser Thr Cys Cys Thr Ser Ala Leu Gln Tyr Leu Leu Ala Leu Phe
 1 5 10 15

Pro Leu Pro Ala Pro Asn Cys Val Ser Tyr Arg Ser Gln Gly Ser Ser
 20 25 30
 Cys Tyr Leu Leu Leu Gln Ile Gln Lys Pro Arg Leu Arg Glu Glu Pro
 35 40 45
 Glu Trp Pro Gln Pro Gln Ser Lys Ser Met Arg Gly Ser Met Lys Leu
 50 55 60
 Gly Phe Phe Pro His Cys Thr Arg Leu Leu Pro Ser Trp Gly Gly Gly
 65 70 75 80
 Gly Arg Cys Ser Gly
 85

<210> 1388
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 1388
 Met Ala Val Lys Arg Gln Pro Gly Ala Ala Ala Leu Ala Trp Lys Asn
 1 5 10 15
 Pro Ile Ser Ser Trp Phe Thr Ala Met Leu His Cys Phe Gly Gly Gly
 20 25 30
 Ile Leu Ser Cys Leu Leu Leu Ala Glu Pro Pro Leu Lys Phe Leu Ala
 35 40 45
 Asn His Thr Asn Ile Leu Leu Ala Ser Ser Ile Trp Tyr Ile Thr Phe
 50 55 60
 Phe Cys Pro His Asp Leu Val Ser Gln Gly Tyr Ser Tyr Leu Pro Val
 65 70 75 80
 Gln Leu Leu Ala Ser Gly Met Lys Glu Val Thr Arg Thr Trp Lys Ile
 85 90 95
 Val Gly Gly Val Thr His Ala Asn Ser Tyr Tyr Lys Asn Gly Trp Ile
 100 105 110
 Val Met Ile Ala Ile Gly Trp Ala Arg Gly Ala Gly Gly Thr Ile Ile
 115 120 125
 Thr Asn Phe Glu Arg Leu Val Lys Gly Asp Trp Lys Pro Glu Gly Asp
 130 135 140
 Glu Trp Leu Lys Met Ser Tyr Pro Ala Lys Val Thr Leu Leu Gly Ser
 145 150 155 160
 Val Ile Phe Thr Phe Gln His Thr Gln His Leu Ala Ile Ser Lys His
 165 170 175

Asn	Leu	Met	Phe	Leu	Tyr	Thr	Ile	Phe	Ile	Val	Ala	Thr	Lys	Ile	Thr
			180					185					190		
Met	Met	Thr	Thr	Gln	Thr	Ser	Thr	Met	Thr	Phe	Ala	Pro	Phe	Glu	Asp
		195					200					205			
Thr	Leu	Ser	Trp	Met	Leu	Phe	Gly	Trp	Gln	Gln	Pro	Phe	Ser	Ser	Cys
	210					215					220				
Glu	Lys	Lys	Ser	Glu	Ala	Lys	Ser	Pro	Ser	Asn	Gly	Val	Gly	Ser	Leu
225					230					235					240
Ala	Ser	Lys	Pro	Val	Asp	Val	Ala	Ser	Asp	Asn	Val	Lys	Lys	Lys	His
				245					250					255	
Thr	Lys	Lys	Asn	Glu											
			260												

<210> 1389
 <211> 72
 <212> PRT
 <213> Homo sapiens

Ile	Val	Asn	Pro	Met	Phe	Cys	Asn	Phe	His	Phe	Arg	Ser	Leu	Thr	Tyr
1				5					10					15	
Phe	Phe	Leu	Ser	His	Lys	Asn	Thr	Phe	Val	Leu	Ile	Val	Gly	Glu	Ile
			20					25					30		
Phe	Ser	Ala	Phe	Cys	Met	Phe	Phe	Leu	Ile	Phe	Val	Gly	Leu	Asn	Ile
		35					40					45			
Leu	Val	Val	Ile	Thr	Val	Ile	Ile	Gln	Gln	Lys	Ala	Tyr	Pro	Phe	Lys
	50					55					60				
Asn	Phe	Ser	Thr	Met	Ser	Phe	Phe								
65					70										

<210> 1390
 <211> 261
 <212> PRT
 <213> Homo sapiens

Met	Ala	Val	Lys	Arg	Gln	Pro	Gly	Ala	Ala	Ala	Leu	Ala	Trp	Lys	Asn
1				5					10					15	
Pro	Ile	Ser	Ser	Trp	Phe	Thr	Ala	Met	Leu	His	Cys	Phe	Gly	Gly	Gly
			20					25					30		
Ile	Leu	Ser	Cys	Leu	Leu	Leu	Ala	Glu	Pro	Pro	Leu	Lys	Phe	Leu	Ala
		35					40					45			

Leu Gln Cys Val Ser Gly Pro Ala Pro Phe Leu Leu Ser Leu Gly Val
 35 40 45
 Arg His Gln Pro Phe Trp Asp Cys Pro Thr Gly Pro Ser Arg Glu Glu
 50 55 60
 Thr Arg Leu Asn Pro Arg Ala Leu Thr Arg Pro Arg Gln Thr Cys Trp
 65 70 75 80
 Ser Phe Gly Trp Gln Val Ala Leu Arg Pro Ser Glu Lys Ser Pro Cys
 85 90 95
 Phe Ser

<210> 1392
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 1392
 Met His Leu His Val Ser Val Ser Leu Ile Trp Gly Leu Leu Ser Phe
 1 5 10 15
 Leu Ser Leu Gln Val Cys Val Phe Val Gly Ser Ser Gln Pro Leu Leu
 20 25 30
 Leu Gln Cys Val Ser Gly Pro Ala Pro Phe Leu Leu Ser Leu Gly Val
 35 40 45
 Arg His Gln Pro Phe Trp Asp Cys Pro Thr Gly Pro Ser Arg Glu Glu
 50 55 60
 Thr Arg Leu Asn Pro Arg Ala Leu Thr Arg Pro Arg Gln Thr Cys Trp
 65 70 75 80
 Ser Phe Gly Trp Gln Val Ala Leu Arg Pro Ser Glu Lys Ser Pro Cys
 85 90 95
 Phe Ser

<210> 1393
 <211> 139
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>

<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (139)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1393
Met Ala Leu Tyr Glu Leu Phe Ser His Pro Val Glu Arg Xaa Tyr Arg
1 5 10 15
Ala Gly Leu Cys Ser Lys Ala Ala Leu Phe Leu Leu Leu Ala Ala Ala
20 25 30
Leu Thr Tyr Ile Pro Pro Leu Leu Val Ala Phe Arg Ser His Gly Phe
35 40 45
Trp Leu Lys Arg Thr Ala Thr Arg Ser Ser Arg Pro Cys Ala Ser Asn
50 55 60
Thr Arg Cys Cys Ser Trp Pro Cys Ser Asp Pro Lys Ala Thr Gly Ser
65 70 75 80
Ser Pro Gly Ala Arg Ser Pro Pro Ser Thr Gly Cys Lys Gly Ile Ala
85 90 95
Cys Ala Ser Arg Ser Phe Arg Gly Gly Asp Asn Ala Cys Cys Val Lys
100 105 110
Gln Asp Ser Xaa Ser Leu Cys Ile Tyr Arg Ser Asp Val Asp Ser Ser
115 120 125
Gln Asn Ser Leu Val Thr Lys Gly Ala Gly Xaa
130 135

<210> 1394
<211> 316
<212> PRT
<213> Homo sapiens

<400> 1394
Met Ala Leu Tyr Glu Leu Phe Ser His Pro Val Glu Arg Ser Tyr Arg
1 5 10 15
Ala Gly Leu Cys Ser Lys Ala Ala Leu Phe Leu Leu Leu Ala Ala Ala
20 25 30
Leu Thr Tyr Ile Pro Pro Leu Leu Val Ala Phe Arg Ser His Gly Phe
35 40 45
Trp Leu Lys Arg Ser Ser Tyr Glu Glu Gln Pro Thr Val Arg Phe Gln
50 55 60

His	Gln	Val	Leu	Leu	Val	Ala	Leu	Leu	Gly	Pro	Glu	Ser	Asp	Gly	Phe	65	70	75	80
Leu	Ala	Trp	Ser	Thr	Phe	Pro	Ala	Phe	Asn	Arg	Leu	Gln	Gly	Asp	Arg	85	90	95	
Leu	Arg	Val	Pro	Leu	Val	Ser	Thr	Arg	Glu	Glu	Asp	Arg	Asn	Gln	Asp	100	105	110	
Gly	Lys	Thr	Asp	Met	Leu	His	Phe	Lys	Leu	Glu	Leu	Pro	Leu	Gln	Ser	115	120	125	
Thr	Glu	His	Val	Leu	Gly	Val	Gln	Leu	Ile	Leu	Thr	Phe	Ser	Tyr	Arg	130	135	140	
Leu	His	Arg	Met	Ala	Thr	Leu	Val	Met	Gln	Ser	Met	Ala	Phe	Leu	Gln	145	150	155	160
Ser	Ser	Phe	Pro	Val	Pro	Gly	Ser	Gln	Leu	Tyr	Val	Asn	Gly	Asp	Leu	165	170	175	
Arg	Leu	Gln	Gln	Lys	Gln	Pro	Leu	Ser	Cys	Gly	Gly	Leu	Asp	Ala	Arg	180	185	190	
Tyr	Asn	Ile	Ser	Val	Ile	Asn	Gly	Thr	Ser	Pro	Phe	Ala	Tyr	Asp	Tyr	195	200	205	
Asp	Leu	Thr	His	Ile	Val	Ala	Ala	Tyr	Gln	Glu	Arg	Asn	Val	Thr	Thr	210	215	220	
Val	Leu	Asn	Asp	Pro	Asn	Pro	Ile	Trp	Leu	Val	Gly	Arg	Ala	Ala	Asp	225	230	235	240
Ala	Pro	Phe	Val	Ile	Asn	Ala	Ile	Ile	Arg	Tyr	Pro	Val	Glu	Val	Ile	245	250	255	
Ser	Tyr	Gln	Pro	Gly	Phe	Trp	Glu	Met	Val	Lys	Phe	Ala	Trp	Val	Gln	260	265	270	
Tyr	Val	Ser	Ile	Leu	Leu	Ile	Phe	Leu	Trp	Val	Phe	Glu	Arg	Ile	Lys	275	280	285	
Ile	Phe	Val	Phe	Gln	Asn	Gln	Val	Val	Thr	Thr	Ile	Pro	Val	Thr	Val	290	295	300	
Thr	Pro	Arg	Gly	Asp	Leu	Cys	Lys	Glu	His	Leu	Ser					305	310	315	

<210> 1395
 <211> 103
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1395

Met	Ala	Phe	Leu	Leu	Glu	Arg	Ser	Gly	Thr	Leu	Leu	Ile	Cys	Ser	Met
1				5					10					15	

Trp	Trp	His	His	Gly	Tyr	Ser	Asn	Ile	Thr	Gly	Thr	Glu	Gly	Glu	Arg
			20					25					30		

Arg	Asn	Leu	Lys	Arg	Asn	Lys	Thr	Asn	Phe	Arg	Arg	Phe	Gln	Asp	Gly
		35					40					45			

Arg	Ile	Gly	Thr	Ala	Pro	Val	Tyr	Ser	Ser	Gln	Cys	Glu	Arg	Cys	Arg
	50					55					60				

Arg	Trp	Val	Ile	Ser	Ala	Phe	Pro	Thr	Glu	Gln	Thr	Xaa	His	Gln	Lys
65					70					75					80

Ile	Ile	Ser	His	Ala	Trp	Leu	Gly	Gly	Ser	His	Ala	His	Gly	Ala	Ser
				85					90						95

Leu	Ile	Ala	Ser	Thr	Ala	Val
			100			

<210> 1396

<211> 103

<212> PRT

<213> Homo sapiens

<400> 1396

Met	Ala	Phe	Leu	Leu	Glu	Arg	Ser	Gly	Thr	Leu	Leu	Ile	Cys	Ser	Met
1				5					10					15	

Trp	Trp	His	His	Gly	Tyr	Ser	Asn	Ile	Thr	Gly	Thr	Glu	Gly	Glu	Arg
			20					25					30		

Arg	Asn	Leu	Lys	Arg	Asn	Lys	Thr	Asn	Phe	Arg	Arg	Phe	Gln	Asp	Gly
		35					40					45			

Arg	Ile	Gly	Thr	Ala	Pro	Val	Tyr	Ser	Ser	Gln	Cys	Glu	Arg	Cys	Arg
	50					55					60				

Arg	Trp	Val	Ile	Ser	Ala	Phe	Pro	Thr	Glu	Gln	Thr	Ala	His	Gln	Lys
65					70					75					80

Ile	Ile	Ser	His	Ala	Trp	Leu	Gly	Gly	Ser	His	Ala	His	Gly	Ala	Ser
				85					90						95

Leu	Ile	Ala	Ser	Thr	Ala	Val
			100			

<210> 1397

<211> 125
<212> PRT
<213> Homo sapiens

<400> 1397

Met	Cys	Val	Trp	Phe	Cys	Leu	Phe	Ala	Cys	Leu	Phe	Ala	Cys	Leu	Phe
1				5					10					15	
Phe	Glu	Thr	Glu	Ser	His	Ser	Val	Ala	Gln	Ala	Gly	Val	Gln	Trp	Leu
			20					25					30		
Asp	Leu	Ser	Ser	Leu	Gln	Gln	Pro	Pro	Pro	Pro	Gly	Phe	Lys	Cys	Phe
		35					40					45			
Ser	Cys	Leu	Cys	Leu	Leu	Ser	Ser	Trp	Asp	Tyr	Arg	Arg	Ala	Cys	His
	50					55					60				
His	Thr	Arg	Ile	Ile	Phe	Val	Phe	Leu	Val	Glu	Met	Gly	Phe	His	His
65					70					75				80	
Val	Asp	Gln	Ala	Asp	Leu	Glu	Leu	Leu	Thr	Ser	Ser	Asp	Pro	Pro	Ala
				85					90					95	
Leu	Ala	Ser	Arg	Ser	Ala	Gly	Ile	Thr	Gly	Val	Ser	His	His	Thr	Pro
			100					105					110		
Pro	Ala	Cys	Leu	Val	Phe	Lys	Phe	Leu	Phe	Leu	Gly	Ser			
		115					120					125			

<210> 1398
<211> 112
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1398

Ala	Pro	Val	Leu	Leu	Leu	Pro	Ser	Ser	Cys	Trp	Gln	Phe	Trp	Val	Leu
1				5					10					15	
Gly	Phe	Phe	Phe	Phe	Arg	Gln	Ser	Leu	Thr	Pro	Ser	Pro	Gly	Trp	Lys
			20					25					30		
Tyr	Ser	Gly	Ala	Val	Ser	Ala	His	Cys	Ser	Leu	Arg	Leu	Pro	Gly	Ser
		35					40					45			
Asn	Asp	Pro	Leu	Ala	Ser	Ala	Ser	Gln	Leu	Ala	Gly	Thr	Thr	Gly	Ala

50		55		60											
His	His	His	Gly	Gln	Leu	Ile	Phe	Val	Phe	Leu	Val	Glu	Met	Gly	Phe
65					70					75					80
His	His	Ile	Ala	Gln	Ala	Gly	Leu	Lys	Leu	Xaa	Thr	Ser	Ser	Asp	Leu
				85					90					95	
Leu	Thr	Ser	Ala	Phe	Gln	Ser	Ala	Gly	Xaa	Ile	Tyr	Ile	Leu	Asn	Lys
			100					105					110		

<210> 1399
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 1399

Met	Cys	Val	Trp	Phe	Cys	Leu	Phe	Ala	Cys	Leu	Phe	Ala	Cys	Leu	Phe
1				5					10					15	
Phe	Glu	Thr	Glu	Ser	His	Ser	Val	Ala	Gln	Ala	Gly	Val	Gln	Trp	Leu
			20					25					30		
Asp	Leu	Ser	Ser	Leu	Gln	Gln	Pro	Pro	Pro	Pro	Gly	Phe	Lys	Cys	Phe
		35					40					45			
Ser	Cys	Leu	Cys	Leu	Leu	Ser	Ser	Trp	Asp	Tyr	Arg	Arg	Ala	Cys	His
	50					55					60				
His	Thr	Arg	Ile	Ile	Phe	Val	Phe	Leu	Val	Glu	Met	Gly	Phe	His	His
65					70					75					80
Val	Asp	Gln	Ala	Asp	Leu	Glu	Leu	Leu	Thr	Ser	Ser	Asp	Pro	Pro	Ala
				85					90					95	
Leu	Ala	Ser	Arg	Ser	Ala	Gly	Ile	Thr	Gly	Val	Ser	His	His	Thr	Pro
			100					105					110		
Pro	Ala	Cys	Leu	Phe	Phe	Lys	Phe	Leu	Phe	Leu	Gly	Ser			
		115					120					125			

<210> 1400
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 1400

Met	Glu	Leu	Gly	Cys	Trp	Thr	His	Trp	Gly	Ser	Leu	Phe	Phe	Ser	Ser
1				5					10					15	

Phe	Ser	Ser	Arg	Pro	Cys	Gln	Glu	Ser	Thr	Gln	Ser	Leu	Met	Lys	Pro
			20					25					30		
Ala	Leu	Glu	Gln	Ser	Gly	Ile	Ser	Cys	Val	Gly	Ser	Ala	Val	Asn	Met
		35					40					45			
Ile	Arg	Leu	Ser	Ala	Ser	Ala	Pro	Glu	Arg	Gly	Lys	Ser	Trp	Val	Ile
	50					55					60				
Pro	Ser	Leu	Ala	Ala	Gly	Met	Arg	Arg	Met	Ser	Val	Thr	Pro	Ala	
	65				70					75					

<210> 1401
 <211> 455
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (178)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1401															
Xaa	Thr	Gly	Gln	Arg	Cys	Glu	Asn	Leu	Leu	Glu	Glu	Arg	Asn	Cys	Ser
1				5					10					15	
Xaa	Pro	Gly	Gly	Pro	Val	Asn	Gly	Tyr	Gln	Lys	Ile	Thr	Gly	Gly	Pro
		20						25					30		
Gly	Leu	Ile	Asn	Gly	Arg	His	Ala	Lys	Ile	Gly	Thr	Val	Val	Ser	Phe
		35					40					45			
Phe	Cys	Asn	Asn	Ser	Tyr	Val	Leu	Ser	Gly	Asn	Glu	Lys	Arg	Thr	Cys
	50					55					60				
Gln	Gln	Asn	Gly	Glu	Trp	Ser	Gly	Lys	Gln	Pro	Ile	Cys	Ile	Lys	Ala
65					70				75						80
Cys	Arg	Glu	Pro	Lys	Ile	Ser	Asp	Leu	Val	Arg	Arg	Arg	Val	Leu	Pro
				85					90					95	

Met	Gln	Val	Gln	Ser	Arg	Xaa	Thr	Pro	Leu	His	Gln	Leu	Tyr	Ser	Ala		
			100					105					110				
Ala	Phe	Ser	Lys	Gln	Lys	Leu	Gln	Ser	Ala	Pro	Thr	Lys	Lys	Pro	Ala		
		115					120					125					
Leu	Pro	Phe	Gly	Asp	Leu	Pro	Met	Gly	Tyr	Gln	His	Leu	His	Thr	Gln		
	130					135					140						
Leu	Gln	Tyr	Glu	Cys	Ile	Ser	Pro	Phe	Tyr	Arg	Arg	Leu	Gly	Ser	Ser		
145					150					155					160		
Arg	Arg	Thr	Cys	Leu	Arg	Thr	Gly	Lys	Trp	Ser	Gly	Arg	Ala	Pro	Ser		
				165					170					175			
Cys	Xaa	Pro	Ile	Cys	Gly	Lys	Ile	Glu	Asn	Ile	Thr	Ala	Pro	Lys	Thr		
			180					185					190				
Gln	Gly	Leu	Arg	Trp	Pro	Trp	Gln	Ala	Ala	Ile	Tyr	Arg	Arg	Thr	Ser		
		195					200					205					
Gly	Val	His	Asp	Gly	Ser	Leu	His	Lys	Gly	Ala	Trp	Phe	Leu	Val	Cys		
	210					215					220						
Ser	Gly	Ala	Leu	Val	Asn	Glu	Arg	Thr	Val	Val	Val	Ala	Ala	His	Cys		
225					230					235					240		
Val	Thr	Asp	Leu	Gly	Lys	Val	Thr	Met	Ile	Lys	Thr	Ala	Asp	Leu	Lys		
				245					250					255			
Val	Val	Leu	Gly	Lys	Phe	Tyr	Arg	Asp	Asp	Asp	Arg	Asp	Glu	Lys	Thr		
			260					265					270				
Ile	Gln	Ser	Leu	Gln	Ile	Ser	Ala	Ile	Ile	Leu	His	Pro	Asn	Tyr	Asp		
		275					280					285					
Pro	Ile	Leu	Leu	Asp	Ala	Asp	Ile	Ala	Ile	Leu	Lys	Leu	Leu	Asp	Lys		
	290					295					300						
Ala	Arg	Ile	Ser	Thr	Arg	Val	Gln	Pro	Ile	Cys	Leu	Ala	Ala	Ser	Arg		
305					310					315					320		
Asp	Leu	Ser	Thr	Ser	Phe	Gln	Glu	Ser	His	Ile	Thr	Val	Ala	Gly	Trp		
				325					330					335			
Asn	Val	Leu	Ala	Asp	Val	Arg	Ser	Pro	Gly	Phe	Lys	Asn	Asp	Thr	Leu		
			340					345					350				
Arg	Ser	Gly	Val	Val	Ser	Val	Val	Asp	Ser	Leu	Leu	Cys	Glu	Glu	Gln		
		355					360					365					
His	Glu	Asp	His	Gly	Ile	Pro	Val	Ser	Val	Thr	Asp	Asn	Met	Phe	Cys		
	370					375					380						
Ala	Ser	Trp	Glu	Pro	Thr	Ala	Pro	Ser	Asp	Ile	Cys	Thr	Ala	Glu	Thr		
385					390					395					400		

Gly	Gly	Ile	Ala	Ala	Val	Ser	Phe	Pro	Gly	Arg	Ala	Ser	Pro	Glu	Pro
				405					410					415	
Arg	Trp	His	Leu	Met	Gly	Leu	Val	Ser	Trp	Ser	Tyr	Asp	Lys	Thr	Cys
			420					425					430		
Ser	His	Arg	Leu	Ser	Thr	Ala	Phe	Thr	Lys	Val	Leu	Pro	Phe	Lys	Asp
		435					440					445			
Trp	Ile	Glu	Arg	Asn	Met	Lys									
	450					455									

<210> 1402
 <211> 323
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (283)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (296)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (298)
 <223> Xaa equals any of the naturally occurring L-amino acids

Met	Glu	Leu	Gly	Cys	Trp	Thr	Gln	Leu	Gly	Leu	Thr	Phe	Leu	Gln	Leu
1				5					10					15	
Leu	Leu	Ile	Ser	Ser	Leu	Pro	Arg	Glu	Tyr	Thr	Val	Ile	Asn	Glu	Ala
			20					25					30		
Cys	Pro	Gly	Ala	Glu	Trp	Asn	Ile	Met	Cys	Arg	Glu	Cys	Cys	Glu	Tyr
		35					40					45			
Asp	Gln	Ile	Glu	Cys	Val	Cys	Pro	Gly	Lys	Arg	Glu	Val	Val	Gly	Tyr
	50					55					60				
Thr	Ile	Pro	Cys	Cys	Arg	Asn	Glu	Glu	Asn	Glu	Cys	Asp	Ser	Cys	Leu
65					70				75						80
Ile	His	Pro	Gly	Cys	Thr	Ile	Phe	Glu	Asn	Cys	Lys	Ser	Cys	Arg	Asn
			85					90						95	
Gly	Ser	Trp	Gly	Gly	Thr	Leu	Asp	Asp	Phe	Tyr	Val	Lys	Gly	Phe	Tyr
			100					105					110		

Cys Ala Glu Cys Arg Ala Gly Trp Tyr Gly Gly Asp Cys Met Arg Cys
 115 120 125
 Gly Gln Val Leu Arg Ala Pro Lys Gly Gln Ile Leu Leu Glu Ser Tyr
 130 135 140
 Pro Leu Asn Ala His Cys Glu Trp Thr Ile His Ala Lys Pro Gly Phe
 145 150 155 160
 Val Ile Gln Leu Arg Phe Val Met Leu Ser Leu Glu Phe Asp Tyr Met
 165 170 175
 Cys Gln Tyr Asp Tyr Val Glu Val Arg Asp Gly Asp Asn Arg Asp Gly
 180 185 190
 Gln Ile Ile Lys Arg Val Cys Gly Asn Glu Arg Pro Ala Pro Ile Gln
 195 200 205
 Ser Ile Gly Ser Ser Leu His Val Leu Phe His Ser Asp Gly Ser Lys
 210 215 220
 Asn Phe Asp Gly Phe His Ala Ile Tyr Glu Glu Ile Thr Ala Cys Ser
 225 230 235 240
 Ser Ser Pro Cys Phe His Asp Gly Thr Cys Val Leu Asp Lys Ala Gly
 245 250 255
 Ser Tyr Lys Cys Ala Cys Leu Ala Gly Tyr Thr Gly Gln Arg Cys Glu
 260 265 270
 Asn Leu Leu Glu Ala Gly Lys Ser Lys Ile Xaa Ala Ser Glu Asp Ser
 275 280 285
 Leu Ser Val Leu Glu Glu Arg Xaa Cys Xaa Asp Pro Gly Gly Pro Val
 290 295 300
 Asn Gly Tyr Gln Lys Ile Thr Gly Gly Pro Gly Leu Ile Asn Gly Arg
 305 310 315 320
 His Ala Lys

<210> 1403
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 1403
 Met Ala Arg Ser Trp Leu Thr Ala Thr Ser Ala Ser Arg Val Gln Ala
 1 5 10 15
 Ile Leu Leu Leu Gly Leu Gln His Met Pro Pro Cys Pro Asp Tyr Phe
 20 25 30
 Phe Val Phe Val Val Glu Thr Gly Phe His His Val Ser Gln Ala Gly

	35		40		45										
Leu	Glu	Leu	Leu	Thr	Ser	Gly	Asp	Pro	Pro	Ala	Ser	Ala	Ser	His	Thr
	50					55					60				
Ala	Gly	Ile	Thr	Gly	Met	Ser	His	Arg	Ser	Trp	Pro	Leu	Phe	Leu	Phe
65					70					75					80

<210> 1404
 <211> 121
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (114)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1404															
Lys	Leu	Arg	Leu	Arg	Glu	Val	Lys	Ser	Ile	Ala	Gln	Gly	His	Val	Ala
1				5					10					15	
Arg	Ile	Trp	Gln	Ser	His	Asp	Ser	Asp	Pro	Gly	Leu	Leu	Ile	Leu	Ile
			20					25					30		
Pro	Val	Ser	Phe	Leu	Ala	Tyr	His	Val	Ala	Ser	Lys	Asp	Cys	Ser	Ser
		35					40					45			
Leu	Phe	Thr	Arg	Lys	Leu	Phe	Leu	Pro	Asn	Leu	His	Leu	His	Leu	Thr
	50					55					60				
Pro	Ser	Phe	Leu	Lys	His	Tyr	Val	Cys	Val	Phe	Ile	Ser	Ile	Ile	Phe
65					70					75					80
Ile	Val	Phe	Gly	Ile	His	Val	Leu	Val	Cys	Val	Trp	Lys	Lys	Asn	Leu
				85					90					95	
Phe	Tyr	Gln	Leu	Ala	Leu	Gly	Pro	Thr	Trp	Lys	Lys	Lys	Ser	Leu	Asn
			100					105					110		
Val	Xaa	Ala	Met	Tyr	Ser	Leu	Lys	Met							
		115					120								

<210> 1405
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 1405
 Met Ala Arg Ser Trp Leu Thr Ala Thr Ser Ala Ser Arg Val Gln Ala

1	5	10	15												
Ile	Leu	Leu	Leu	Gly	Leu	Gln	His	Met	Pro	Pro	Cys	Pro	Asp	Tyr	Phe
			20					25					30		
Phe	Val	Phe	Val	Val	Glu	Thr	Gly	Phe	His	His	Val	Ser	Gln	Ala	Gly
		35					40					45			
Leu	Glu	Leu	Leu	Thr	Ser	Gly	Asp	Pro	Pro	Ala	Ser	Ala	Ser	His	Thr
		50				55						60			
Ala	Gly	Ile	Thr	Gly	Met	Ser	His	Arg	Ser	Trp	Pro	Leu	Phe	Leu	Phe
65					70					75					80

<210> 1406
 <211> 83
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1406
Ile Trp Met His Phe Ile Ser Phe Leu Tyr Pro Ile Ala Leu Ala Thr
1 5 10 15
Thr Ser Ser Thr Val Leu Asn Arg Ser Gly Glu Cys Gly His Pro Cys
20 25 30
Leu Val Pro Val Leu Arg Glu Asn Ala Phe Ser Leu Ser Pro Phe Gly
35 40 45
Met Met Phe Ala Val Gly Leu Ser Tyr Met Ala Phe Phe Thr Leu Arg
50 55 60
Tyr Val Pro Ser Val Pro Ile Leu Leu Arg Val Phe Ile Ile Gln Glu
65 70 75 80
Cys Xaa Phe

<210> 1407
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 1407
 Met His Phe Ile Ser Phe Leu Tyr Pro Ile Ala Leu Ala Thr Thr Ser

1	5	10	15
Ser Thr Val	Leu Asn Arg	Ser Gly Glu Cys Gly His	Pro Cys Leu Val
	20	25	30
Pro Val Leu	Arg Glu Asn Ala Phe	Ser Leu Ser Pro Phe Gly Met Met	
	35	40	45
Phe Ala Val	Gly Leu Ser Tyr Met Ala Phe Phe Thr	Leu Arg Tyr Val	
	50	55	60
Pro Ser Val	Pro Ile Leu Leu Arg Val	Phe Ile Ile Gln Glu Cys Trp	
	65	70	75
Ile Leu Ser	Asn Ala Phe Ser Ala Ser Gly Glu Met	Ile Ile	
	85	90	

<210> 1408
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 1408
Met His Phe Ile Ser Phe Leu Tyr Pro Ile Ala Leu Ala Thr Thr Ser
1 5 10 15
Ser Thr Val Leu Asn Arg Ser Gly Glu Cys Gly His Pro Cys Leu Val
20 25 30
Pro Val Leu Arg Glu Asn Ala Phe Ser Leu Ser Pro Phe Gly Met Met
35 40 45
Phe Ala Val Gly Leu Ser Tyr Met Ala Phe Phe Thr Leu Arg Tyr Val
50 55 60
Pro Ser Val Pro Ile Leu Leu Arg Val Phe Ile Ile Gln Glu Cys Trp
65 70 75 80
Ile Leu Ser Asn Ala Phe Ser Ala Ser Gly Glu Met Ile Ile
85 90

<210> 1409
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 1409
Met Ile Leu Ile Arg Lys Leu Phe Leu Arg Arg Cys His Trp Gly Gly
1 5 10 15
Trp Leu Leu Pro Pro Ala Arg Ala Ser Cys Ser Gly Lys His Ser Leu
20 25 30

Ser His Ser Cys Arg Gly Pro Arg Val Gln Arg Pro Pro His Pro Arg
35 40 45

Phe Trp Ala Gly Thr Leu Ala Pro Gly Pro Cys Pro Gly Leu Trp Cys
50 55 60

Leu Pro Gly Leu Val Gln Val Asp Val Leu Ala Ala Gly Arg Cys Asp
65 70 75 80

His Leu Ser Cys Leu Pro Pro Leu Cys Pro Gln Ala Phe Leu Leu
85 90 95

<210> 1410
<211> 92
<212> PRT
<213> Homo sapiens

<400> 1410
Met Pro Gly Cys Val Phe Cys Phe Leu Thr Leu Leu Phe His Ser Leu
1 5 10 15

Ser Val Gly Gln Tyr Cys Cys Leu Ile Cys Val Cys Phe Val Leu Tyr
20 25 30

Val Tyr Thr Gln Ile His Thr Arg Ile His Ile His Thr His Lys His
35 40 45

Phe Phe Phe Pro Trp Arg Gln Gly Ile Ala Leu Ser Pro Arg Leu Glu
50 55 60

Tyr Ser Ser Ala Ile Met Thr His Arg Leu Ile Ala Ala Leu Ala Ser
65 70 75 80

Gln Ala Gln Ala Ile Leu Pro Pro Gln Pro Ser Glu
85 90

<210> 1411
<211> 225
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1411
Met Ile His Val Arg His Cys Thr Pro Ile Pro Ala Leu Leu Val Cys

1		5		10		15									
Cys	Gly	Ala	Thr	Ala	Val	Ile	Met	Leu	Val	Gly	Asp	Thr	Tyr	Thr	Leu
		20						25					30		
Ile	Asn	Tyr	Val	Ser	Phe	Ile	Asn	Tyr	Leu	Cys	Tyr	Gly	Val	Thr	Ile
	35						40					45			
Leu	Gly	Leu	Leu	Leu	Leu	Arg	Trp	Arg	Arg	Pro	Ala	Leu	His	Arg	Pro
	50					55					60				
Ile	Xaa	Val	Asn	Leu	Leu	Ile	Pro	Val	Ala	Tyr	Leu	Val	Phe	Trp	Ala
65					70				75						80
Phe	Leu	Leu	Val	Phe	Ser	Phe	Ile	Ser	Glu	Pro	Met	Val	Cys	Gly	Val
				85					90					95	
Gly	Val	Ile	Ile	Xaa	Leu	Thr	Gly	Val	Pro	Ile	Phe	Phe	Leu	Gly	Val
			100					105					110		
Phe	Trp	Arg	Ser	Lys	Pro	Lys	Cys	Val	His	Arg	Leu	Thr	Glu	Ser	Met
	115						120					125			
Thr	His	Trp	Gly	Gln	Glu	Leu	Cys	Phe	Val	Val	Tyr	Pro	Gln	Asp	Ala
	130					135					140				
Pro	Glu	Glu	Glu	Glu	Asn	Ala	Pro	Ala	His	Pro	Pro	Cys	Cys	Leu	Pro
145					150					155					160
Gln	Thr	Ser	Pro	Arg	Ser	His	Asn	Glu	Ile	Phe	Val	Glu	Thr	Glu	Ala
				165					170					175	
Val	Val	Ser	Val	Tyr	Met	Leu	Phe	Ile	Glu	Glu	Val	Phe	Trp	Gln	Lys
			180					185					190		
Ser	Phe	Val	Leu	Phe	Phe	Ser	Gly	Lys	Lys	Arg	Lys	Lys	Ile	Arg	Leu
	195						200					205			
Ser	Glu	Ala	Cys	Phe	Lys	Glu	Ala	Leu	Lys	Cys	Gly	Leu	Gly	Phe	Leu
	210					215					220				
Ser															
225															

<210> 1412
 <211> 172
 <212> PRT
 <213> Homo sapiens

<400> 1412
 Met Ile His Val Arg His Cys Thr Pro Ile Pro Ala Leu Leu Val Cys
 1 5 10 15
 Cys Gly Ala Thr Ala Val Ile Met Leu Val Gly Asp Thr Tyr Thr Leu
 20 25 30

Ile	Asn	Tyr	Val	Ser	Phe	Ile	Asn	Tyr	Leu	Cys	Tyr	Gly	Val	Thr	Ile			
	35						40					45						
Leu	Gly	Leu	Leu	Leu	Leu	Arg	Trp	Arg	Arg	Pro	Ala	Leu	His	Arg	Pro			
	50					55					60							
Ile	Lys	Val	Asn	Leu	Leu	Ile	Pro	Val	Ala	Tyr	Leu	Val	Phe	Trp	Ala			
	65				70					75					80			
Phe	Leu	Leu	Val	Phe	Ser	Phe	Ile	Ser	Glu	Pro	Met	Val	Cys	Gly	Val			
				85					90					95				
Gly	Val	Ile	Ile	Ile	Leu	Thr	Gly	Val	Pro	Ile	Phe	Phe	Leu	Gly	Val			
			100					105					110					
Phe	Trp	Arg	Ser	Lys	Pro	Lys	Cys	Val	His	Arg	Leu	Thr	Glu	Ser	Met			
	115						120					125						
Thr	His	Trp	Gly	Gln	Glu	Leu	Cys	Phe	Val	Val	Tyr	Pro	Gln	Asp	Ala			
	130					135					140							
Pro	Glu	Glu	Glu	Glu	Glu	Trp	Pro	Leu	Pro	Thr	Leu	Pro	Ala	Ala	Cys			
	145				150					155					160			
His	Arg	Gln	Ala	Leu	Glu	Ala	Thr	Met	Arg	Phe	Leu							
				165					170									

<210> 1413
 <211> 225
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (101)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1413																		
Met	Ile	His	Val	Arg	His	Cys	Thr	Pro	Ile	Pro	Ala	Leu	Leu	Val	Cys			
	1				5				10					15				
Cys	Gly	Ala	Thr	Ala	Val	Ile	Met	Leu	Val	Gly	Asp	Thr	Tyr	Thr	Leu			
			20					25					30					
Ile	Asn	Tyr	Val	Ser	Phe	Ile	Asn	Tyr	Leu	Cys	Tyr	Gly	Val	Thr	Ile			
	35						40					45						
Leu	Gly	Leu	Leu	Leu	Leu	Arg	Trp	Arg	Arg	Pro	Ala	Leu	His	Arg	Pro			
	50					55					60							

Ile	Xaa	Val	Asn	Leu	Leu	Ile	Pro	Val	Ala	Tyr	Leu	Val	Phe	Trp	Ala	65	70	75	80
Phe	Leu	Leu	Val	Phe	Ser	Phe	Ile	Ser	Glu	Pro	Met	Val	Cys	Gly	Val	85	90	95	
Gly	Val	Ile	Ile	Xaa	Leu	Thr	Gly	Val	Pro	Ile	Phe	Phe	Leu	Gly	Val	100	105	110	
Phe	Trp	Arg	Ser	Lys	Pro	Lys	Cys	Val	His	Arg	Leu	Thr	Glu	Ser	Met	115	120	125	
Thr	His	Trp	Gly	Gln	Glu	Leu	Cys	Phe	Val	Val	Tyr	Pro	Gln	Asp	Ala	130	135	140	
Pro	Glu	Glu	Glu	Glu	Asn	Ala	Pro	Ala	His	Pro	Pro	Cys	Cys	Leu	Pro	145	150	155	160
Gln	Thr	Ser	Pro	Arg	Ser	His	Asn	Glu	Ile	Phe	Val	Glu	Thr	Glu	Ala	165	170	175	
Val	Val	Ser	Val	Tyr	Met	Leu	Phe	Ile	Glu	Glu	Val	Phe	Trp	Gln	Lys	180	185	190	
Ser	Phe	Val	Leu	Phe	Phe	Ser	Gly	Lys	Lys	Arg	Lys	Lys	Ile	Arg	Leu	195	200	205	
Ser	Glu	Ala	Cys	Phe	Lys	Glu	Ala	Leu	Lys	Cys	Gly	Leu	Gly	Phe	Leu	210	215	220	
Ser																225			

<210> 1414
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

Lys	Asp	Lys	Cys	Ile	Leu	Leu	Lys	Arg	Gln	Ser	Xaa	Thr	His	Glu	Glu	1	5	10	15
Gln	Cys	Lys	Leu	Lys	Pro	Asn	Gln	Arg	Leu	Gly	Val	Ala	Ala	Met	Pro	20	25	30	
Val	Ile	Pro	Ala	Leu	Trp	Glu	Ala	Glu	Val	Gly	Arg	Leu	Leu	Glu	Ile	35	40	45	
Arg	Ser	Leu	Ser	Leu	Gly	Asn	Ile	Val	Lys	Pro	Cys	Leu	Tyr	Lys	Lys				

50	55	60													
Tyr Lys Asn															
65															
<210> 1415															
<211> 587															
<212> PRT															
<213> Homo sapiens															
<400> 1415															
Met	Arg	Pro	Arg	Gly	Leu	Pro	Pro	Leu	Leu	Val	Val	Leu	Leu	Gly	Cys
1				5				10						15	
Trp	Ala	Ser	Val	Ser	Ala	Gln	Thr	Asp	Ala	Thr	Pro	Ala	Val	Thr	Thr
			20					25					30		
Glu	Gly	Leu	Asn	Ser	Thr	Glu	Ala	Ala	Leu	Ala	Thr	Phe	Gly	Thr	Phe
		35					40					45			
Pro	Ser	Thr	Arg	Pro	Pro	Gly	Thr	Pro	Arg	Ala	Pro	Gly	Pro	Ser	Ser
	50					55					60				
Gly	Pro	Arg	Pro	Thr	Pro	Val	Thr	Asp	Val	Ala	Val	Leu	Cys	Val	Cys
65					70					75					80
Asp	Leu	Ser	Pro	Ala	Gln	Cys	Asp	Ile	Asn	Cys	Cys	Cys	Asp	Pro	Asp
				85					90					95	
Cys	Ser	Ser	Val	Asp	Phe	Ser	Val	Phe	Ser	Ala	Cys	Ser	Val	Pro	Val
			100					105					110		
Val	Thr	Gly	Asp	Ser	Gln	Phe	Cys	Ser	Gln	Lys	Ala	Val	Ile	Tyr	Ser
		115					120					125			
Leu	Asn	Phe	Thr	Ala	Asn	Pro	Pro	Gln	Arg	Val	Phe	Glu	Leu	Val	Asp
	130					135					140				
Gln	Ile	Asn	Pro	Ser	Ile	Phe	Cys	Ile	His	Ile	Thr	Asn	Tyr	Lys	Pro
145					150					155					160
Ala	Leu	Ser	Phe	Ile	Asn	Pro	Glu	Val	Pro	Asp	Glu	Asn	Asn	Phe	Asp
				165					170					175	
Thr	Leu	Met	Lys	Thr	Ser	Asp	Gly	Phe	Thr	Leu	Asn	Ala	Glu	Ser	Tyr
			180					185					190		
Val	Ser	Phe	Thr	Thr	Lys	Leu	Asp	Ile	Pro	Thr	Ala	Ala	Lys	Tyr	Glu
		195					200					205			
Tyr	Gly	Val	Pro	Leu	Gln	Thr	Ser	Asp	Ser	Phe	Leu	Arg	Phe	Pro	Ser
	210					215					220				
Ser	Leu	Thr	Ser	Ser	Leu	Cys	Thr	Asp	Asn	Asn	Pro	Ala	Ala	Phe	Leu
225					230					235					240

Val	Asn	Gln	Ala	Val	Lys	Cys	Thr	Arg	Lys	Ile	Asn	Leu	Glu	Gln	Cys	245	250	255	
Glu	Glu	Ile	Glu	Ala	Leu	Ser	Met	Ala	Phe	Tyr	Ser	Ser	Pro	Glu	Ile	260	265	270	
Leu	Arg	Val	Pro	Asp	Ser	Arg	Lys	Lys	Val	Pro	Ile	Thr	Val	Gln	Ser	275	280	285	
Ile	Val	Ile	Gln	Ser	Leu	Asn	Lys	Thr	Leu	Thr	Arg	Arg	Glu	Asp	Thr	290	295	300	
Asp	Val	Leu	Gln	Pro	Thr	Leu	Val	Asn	Ala	Gly	His	Phe	Ser	Leu	Cys	305	310	315	320
Val	Asn	Val	Val	Leu	Glu	Val	Lys	Tyr	Ser	Leu	Thr	Tyr	Thr	Asp	Ala	325	330	335	
Gly	Glu	Val	Thr	Lys	Ala	Asp	Leu	Ser	Phe	Val	Leu	Gly	Thr	Val	Ser	340	345	350	
Ser	Val	Val	Val	Pro	Leu	Gln	Gln	Lys	Phe	Glu	Ile	His	Phe	Leu	Gln	355	360	365	
Glu	Asn	Thr	Gln	Pro	Val	Pro	Leu	Ser	Gly	Asn	Pro	Gly	Tyr	Val	Val	370	375	380	
Gly	Leu	Pro	Leu	Ala	Ala	Gly	Phe	Gln	Pro	His	Lys	Gly	Ser	Gly	Ile	385	390	395	400
Ile	Gln	Thr	Thr	Asn	Arg	Tyr	Gly	Gln	Leu	Thr	Ile	Leu	His	Ser	Thr	405	410	415	
Thr	Glu	Gln	Asp	Cys	Leu	Ala	Leu	Glu	Gly	Val	Arg	Thr	Pro	Val	Leu	420	425	430	
Phe	Gly	Tyr	Thr	Met	Gln	Ser	Gly	Cys	Lys	Leu	Arg	Leu	Thr	Gly	Ala	435	440	445	
Leu	Pro	Cys	Gln	Leu	Val	Ala	Gln	Lys	Val	Lys	Ser	Leu	Leu	Trp	Gly	450	455	460	
Gln	Gly	Phe	Pro	Asp	Tyr	Val	Ala	Pro	Phe	Gly	Asn	Ser	Gln	Ala	Gln	465	470	475	480
Asp	Met	Leu	Asp	Trp	Val	Pro	Ile	His	Phe	Ile	Thr	Gln	Ser	Phe	Asn	485	490	495	
Arg	Lys	Asp	Ser	Cys	Gln	Leu	Pro	Gly	Ala	Leu	Val	Ile	Glu	Val	Lys	500	505	510	
Trp	Thr	Lys	Tyr	Gly	Ser	Leu	Leu	Asn	Pro	Gln	Ala	Lys	Ile	Val	Asn	515	520	525	
Val	Thr	Ala	Asn	Leu	Ile	Ser	Ser	Ser	Phe	Pro	Glu	Ala	Asn	Ser	Gly	530	535	540	

Asn Glu Arg Thr Ile Leu Ile Ser Thr Ala Val Thr Phe Val Asp Val
545 550 555 560

Ser Ala Pro Ala Glu Ala Gly Phe Arg Ala Pro Pro Ala Ile Asn Ala
565 570 575

Arg Leu Pro Phe Asn Phe Phe Phe Pro Phe Val
580 585

<210> 1416
<211> 157
<212> PRT
<213> Homo sapiens

<400> 1416
Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys
1 5 10 15
Trp Ala Ser Val Ser Ala Gln Thr Asp Ala Thr Pro Ala Val Thr Thr
20 25 30
Glu Gly Leu Asn Ser Thr Glu Ala Ala Leu Ala Thr Phe Gly Thr Phe
35 40 45
Pro Ser Thr Arg Pro Pro Gly Thr Pro Arg Ala Pro Gly Pro Ser Ser
50 55 60
Gly Pro Arg Pro Thr Pro Val Thr Asp Val Ala Val Leu Cys Val Cys
65 70 75 80
Asp Leu Ser Pro Ala Gln Cys Asp Ile Asn Cys Cys Cys Asp Pro Asp
85 90 95
Cys Ser Ser Val Asp Phe Ser Val Phe Ser Ala Cys Ser Val Pro Val
100 105 110
Val Thr Gly Asp Ser Gln Phe Cys Ser Gln Lys Ala Val Ile Tyr Ser
115 120 125
Leu Asn Phe Thr Ala Asn Pro Pro Gln Arg Val Phe Glu Leu Val Asp
130 135 140
Gln Ile Asn Pro Ser Ile Phe Cys Ile His Ile Thr Asn
145 150 155

<210> 1417
<211> 587
<212> PRT
<213> Homo sapiens

<400> 1417
Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys

1	5	10	15												
Trp	Ala	Ser	Val	Ser	Ala	Gln	Thr	Asp	Ala	Thr	Pro	Ala	Val	Thr	Thr
			20					25					30		
Glu	Gly	Leu	Asn	Ser	Thr	Glu	Ala	Ala	Leu	Ala	Thr	Phe	Gly	Thr	Phe
		35					40					45			
Pro	Ser	Thr	Arg	Pro	Pro	Gly	Thr	Pro	Arg	Ala	Pro	Gly	Pro	Ser	Ser
	50					55					60				
Gly	Pro	Arg	Pro	Thr	Pro	Val	Thr	Asp	Val	Ala	Val	Leu	Cys	Val	Cys
65					70					75					80
Asp	Leu	Ser	Pro	Ala	Gln	Cys	Asp	Ile	Asn	Cys	Cys	Cys	Asp	Pro	Asp
				85					90					95	
Cys	Ser	Ser	Val	Asp	Phe	Ser	Val	Phe	Ser	Ala	Cys	Ser	Val	Pro	Val
			100					105					110		
Val	Thr	Gly	Asp	Ser	Gln	Phe	Cys	Ser	Gln	Lys	Ala	Val	Ile	Tyr	Ser
		115					120					125			
Leu	Asn	Phe	Thr	Ala	Asn	Pro	Pro	Gln	Arg	Val	Phe	Glu	Leu	Val	Asp
	130					135					140				
Gln	Ile	Asn	Pro	Ser	Ile	Phe	Cys	Ile	His	Ile	Thr	Asn	Tyr	Lys	Pro
145					150					155					160
Ala	Leu	Ser	Phe	Ile	Asn	Pro	Glu	Val	Pro	Asp	Glu	Asn	Asn	Phe	Asp
				165					170					175	
Thr	Leu	Met	Lys	Thr	Ser	Asp	Gly	Phe	Thr	Leu	Asn	Ala	Glu	Ser	Tyr
			180					185					190		
Val	Ser	Phe	Thr	Thr	Lys	Leu	Asp	Ile	Pro	Thr	Ala	Ala	Lys	Tyr	Glu
		195					200					205			
Tyr	Gly	Val	Pro	Leu	Gln	Thr	Ser	Asp	Ser	Phe	Leu	Arg	Phe	Pro	Ser
	210					215					220				
Ser	Leu	Thr	Ser	Ser	Leu	Cys	Thr	Asp	Asn	Asn	Pro	Ala	Ala	Phe	Leu
225					230					235					240
Val	Asn	Gln	Ala	Val	Lys	Cys	Thr	Arg	Lys	Ile	Asn	Leu	Glu	Gln	Cys
				245					250					255	
Glu	Glu	Ile	Glu	Ala	Leu	Ser	Met	Ala	Phe	Tyr	Ser	Ser	Pro	Glu	Ile
			260					265					270		
Leu	Arg	Val	Pro	Asp	Ser	Arg	Lys	Lys	Val	Pro	Ile	Thr	Val	Gln	Ser
		275					280					285			
Ile	Val	Ile	Gln	Ser	Leu	Asn	Lys	Thr	Leu	Thr	Arg	Arg	Glu	Asp	Thr
	290					295					300				
Asp	Val	Leu	Gln	Pro	Thr	Leu	Val	Asn	Ala	Gly	His	Phe	Ser	Leu	Cys

305		310		315		320									
Val	Asn	Val	Val	Leu	Glu	Val	Lys	Tyr	Ser	Leu	Thr	Tyr	Thr	Asp	Ala
				325					330					335	
Gly	Glu	Val	Thr	Lys	Ala	Asp	Leu	Ser	Phe	Val	Leu	Gly	Thr	Val	Ser
			340					345					350		
Ser	Val	Val	Val	Pro	Leu	Gln	Gln	Lys	Phe	Glu	Ile	His	Phe	Leu	Gln
		355					360					365			
Glu	Asn	Thr	Gln	Pro	Val	Pro	Leu	Ser	Gly	Asn	Pro	Gly	Tyr	Val	Val
	370					375					380				
Gly	Leu	Pro	Leu	Ala	Ala	Gly	Phe	Gln	Pro	His	Lys	Gly	Ser	Gly	Ile
385					390					395					400
Ile	Gln	Thr	Thr	Asn	Arg	Tyr	Gly	Gln	Leu	Thr	Ile	Leu	His	Ser	Thr
				405					410					415	
Thr	Glu	Gln	Asp	Cys	Leu	Ala	Leu	Glu	Gly	Val	Arg	Thr	Pro	Val	Leu
			420					425					430		
Phe	Gly	Tyr	Thr	Met	Gln	Ser	Gly	Cys	Lys	Leu	Arg	Leu	Thr	Gly	Ala
		435					440					445			
Leu	Pro	Cys	Gln	Leu	Val	Ala	Gln	Lys	Val	Lys	Ser	Leu	Leu	Trp	Gly
	450					455					460				
Gln	Gly	Phe	Pro	Asp	Tyr	Val	Ala	Pro	Phe	Gly	Asn	Ser	Gln	Ala	Gln
465					470					475					480
Asp	Met	Leu	Asp	Trp	Val	Pro	Ile	His	Phe	Ile	Thr	Gln	Ser	Phe	Asn
				485					490					495	
Arg	Lys	Asp	Ser	Cys	Gln	Leu	Pro	Gly	Ala	Leu	Val	Ile	Glu	Val	Lys
			500					505					510		
Trp	Thr	Lys	Tyr	Gly	Ser	Leu	Leu	Asn	Pro	Gln	Ala	Lys	Ile	Val	Asn
		515					520					525			
Val	Thr	Ala	Asn	Leu	Ile	Ser	Ser	Ser	Phe	Pro	Glu	Ala	Asn	Ser	Gly
	530					535					540				
Asn	Glu	Arg	Thr	Ile	Leu	Ile	Ser	Thr	Ala	Val	Thr	Phe	Val	Asp	Val
545					550					555					560
Ser	Ala	Pro	Ala	Glu	Ala	Gly	Phe	Arg	Ala	Pro	Pro	Ala	Ile	Asn	Ala
				565					570					575	
Arg	Leu	Pro	Phe	Asn	Phe	Phe	Phe	Pro	Phe	Val					
			580					585							

<210> 1418

<211> 137

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1418
Met Val Glu Glu Pro Gly Arg Phe Leu Pro Leu Trp Leu His Ile Leu
1 5 10 15
Leu Ile Thr Val Leu Leu Val Leu Ser Gly Ile Phe Ser Gly Leu Asn
20 25 30
Leu Gly Leu Met Ala Leu Asp Pro Met Glu Leu Arg Ile Val Gln Asn
35 40 45
Cys Gly Thr Xaa Lys Glu Arg Arg Tyr Ala Arg Lys Ile Glu Pro Ile
50 55 60
Arg Arg Lys Gly Asn Tyr Leu Leu Cys Ser Leu Leu Leu Gly Asn Val
65 70 75 80
Leu Val Asn Thr Ser Leu Thr Ile Leu Leu Asp Asn Leu Ile Gly Ser
85 90 95
Gly Leu Met Ala Val Ala Ser Phe Thr Ile Gly Ile Cys His Leu Trp
100 105 110
Gly Asp Pro Thr Xaa Gly Pro Cys Ala Pro Arg His Gly Ala Trp Leu
115 120 125
Val Gly Cys Gln Xaa Pro Cys Phe Xaa
130 135

<210> 1419
<211> 157
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1419

Leu Lys Pro Phe Ser Gln Thr Pro Tyr Phe Glu Ser Pro Ser Phe Ser
1 5 10 15

Pro Ser Trp Gly Trp Arg Gln Glu Asp Met Trp Glu Ala Thr Glu Ala
20 25 30

Gly Ser Leu Cys Pro Leu Leu Cys Gly Trp Gln Gly Ser Pro Gly Leu
35 40 45

Ile His Pro Leu Met Glu Pro Gln Glu Arg Arg Ala Pro Pro Lys Gly
50 55 60

Met Gln Leu Ala Ala Pro Leu Ser His Thr Cys Asp Pro Ser Val Arg
65 70 75 80

Gly His Pro Ala Leu Ala Glu Val Ser Xaa Thr Val Leu Arg Ala Leu
85 90 95

Pro Ser Cys Glu Phe Leu Pro Trp Arg Leu Phe Pro Gly Ala Glu Ser
100 105 110

Gly Pro Ala Ala Lys Leu Gln Ala Ser Gln Gly Trp Gly Gly Cys Gly
115 120 125

Thr Lys Val His Val Gly Pro Ser Thr Gly Cys Ser Arg Ser Trp Val
130 135 140

Pro Arg Ala Trp Gln Val Lys Leu Cys Arg Pro Ser Ala
145 150 155

<210> 1420

<211> 631

<212> PRT

<213> Homo sapiens

<400> 1420

Met Lys Leu Tyr Ala Leu Cys Thr Arg Ala Gln Pro Asp Gly Pro Trp
1 5 10 15

Leu Lys Trp Thr Asp Lys Asp Ser Leu Leu Phe Met Val Glu Glu Pro
20 25 30

Gly Arg Phe Leu Pro Leu Trp Leu His Ile Leu Leu Ile Thr Val Leu
35 40 45

Leu Val Leu Ser Gly Ile Phe Ser Gly Leu Asn Leu Gly Leu Met Ala
50 55 60

Leu	Asp	Pro	Met	Glu	Leu	Arg	Ile	Val	Gln	Asn	Cys	Gly	Thr	Glu	Lys	65	70	75	80
Glu	Arg	Arg	Tyr	Ala	Arg	Lys	Ile	Glu	Pro	Ile	Arg	Arg	Lys	Gly	Asn	85	90	95	
Tyr	Leu	Leu	Cys	Ser	Leu	Leu	Leu	Gly	Asn	Val	Leu	Val	Asn	Thr	Ser	100	105	110	
Leu	Thr	Ile	Leu	Leu	Asp	Asn	Leu	Ile	Gly	Ser	Gly	Leu	Met	Ala	Val	115	120	125	
Ala	Ser	Ser	Thr	Ile	Gly	Ile	Val	Ile	Phe	Gly	Glu	Ile	Leu	Pro	Gln	130	135	140	
Ala	Leu	Cys	Ser	Arg	His	Gly	Leu	Ala	Val	Gly	Ala	Asn	Thr	Ile	Leu	145	150	155	160
Leu	Thr	Lys	Phe	Phe	Met	Leu	Leu	Thr	Phe	Pro	Leu	Ser	Phe	Pro	Ile	165	170	175	
Ser	Lys	Leu	Leu	Asp	Phe	Phe	Leu	Gly	Gln	Glu	Ile	Arg	Thr	Val	Tyr	180	185	190	
Asn	Arg	Glu	Lys	Leu	Met	Glu	Met	Leu	Lys	Val	Thr	Glu	Pro	Tyr	Asn	195	200	205	
Asp	Leu	Val	Lys	Glu	Glu	Leu	Asn	Met	Ile	Gln	Gly	Ala	Leu	Glu	Leu	210	215	220	
Arg	Thr	Lys	Thr	Val	Glu	Asp	Ile	Met	Thr	Gln	Leu	Gln	Asp	Cys	Phe	225	230	235	240
Met	Ile	Arg	Ser	Asp	Ala	Ile	Leu	Asp	Phe	Asn	Thr	Met	Ser	Glu	Ile	245	250	255	
Met	Glu	Ser	Gly	Tyr	Thr	Arg	Ile	Pro	Val	Phe	Glu	Asp	Glu	Gln	Ser	260	265	270	
Asn	Ile	Val	Asp	Ile	Leu	Tyr	Val	Lys	Asp	Leu	Ala	Phe	Val	Asp	Pro	275	280	285	
Asp	Asp	Cys	Thr	Pro	Leu	Lys	Thr	Ile	Thr	Arg	Phe	Tyr	Asn	His	Pro	290	295	300	
Val	His	Phe	Val	Phe	His	Asp	Thr	Lys	Leu	Asp	Ala	Met	Leu	Glu	Glu	305	310	315	320
Phe	Lys	Lys	Gly	Lys	Ser	His	Leu	Ala	Ile	Val	Gln	Lys	Val	Asn	Asn	325	330	335	
Glu	Gly	Glu	Gly	Asp	Pro	Phe	Tyr	Glu	Val	Leu	Gly	Leu	Val	Thr	Leu	340	345	350	
Glu	Asp	Val	Ile	Glu	Glu	Ile	Ile	Lys	Ser	Glu	Ile	Leu	Asp	Glu	Ser	355	360	365	

<400> 1421

Met Gly Val Arg Val Trp Glu Leu Pro Ala Gln Pro Thr Gly Leu His
1 5 10 15

Leu Leu Cys Phe Cys Thr Arg Thr Met Leu Leu Ala Leu Lys Leu Pro
20 25 30

Lys Thr Lys His Ser Phe Pro Asp Pro Tyr Thr Ser Ile Leu Ser Phe
35 40 45

Ile His Pro Ala Phe Thr Glu Asn Leu Thr Leu Cys Gln Val Ser Val
50 55 60

Phe Leu Ser Ser Ser Asn Thr Glu Met Asn Gln Met Phe His Gly Val
65 70 75 80

Ser Phe Arg

<210> 1422

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1422

Met Met Ala Ser Ile Gln Ser Phe Ser Ala Met Ala Leu Leu Phe Tyr
1 5 10 15

Thr Val Phe Met Phe Val Ile Val Leu Ser Ser Leu Lys His Gly Leu

	20		25		30										
Phe	Ser	Gly	Gln	Trp	Leu	Arg	Arg	Val	Ser	Tyr	Val	Arg	Trp	Glu	Gly
	35		40		45										
Val	Phe	Arg	Cys	Ile	Pro	Ile	Phe	Gly	Met	Ser	Phe	Ala	Cys	Gln	Ser
	50		55		60										
Gln	Val	Leu	Pro	Thr	Tyr	Asp	Ser	Leu	Asp	Glu	Pro	Ser	Val	Lys	Thr
	65		70		75									80	
Met	Ser	Ser	Ile	Phe	Xaa	Xaa	Ser	Leu	Asn	Val	Val	Xaa	Xaa	Phe	Xaa
			85					90						95	
Val	Met	Val	Gly	Val	Phe	Arg									
			100												

<210> 1423
 <211> 384
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (131)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1423															
Gln	Arg	Gln	Glu	Asp	Glu	Glu	Asp	Lys	Pro	Arg	Gln	Val	Glu	Val	His
1				5				10						15	
Gln	Glu	Pro	Gly	Ala	Ala	Val	Pro	Arg	Gly	Gln	Glu	Ala	Pro	Glu	Gly
			20					25					30		
Lys	Ala	Arg	Glu	Thr	Val	Glu	Asn	Leu	Pro	Pro	Leu	Pro	Leu	Asp	Pro
		35					40						45		
Val	Leu	Arg	Ala	Pro	Gly	Gly	Arg	Pro	Ala	Pro	Ser	Gln	Asp	Leu	Asn
	50					55					60				
Gln	Arg	Ser	Leu	Glu	His	Ser	Glu	Gly	Pro	Val	Gly	Arg	Asp	Pro	Ala
65					70					75				80	
Gly	Pro	Pro	Asp	Gly	Gly	Pro	Asp	Thr	Glu	Pro	Arg	Ala	Ala	Gln	Xaa
				85					90					95	
Lys	Leu	Arg	Asp	Gly	Gln	Lys	Asp	Ala	Ala	Pro	Arg	Ala	Ala	Gly	Thr
			100					105						110	
Val	Lys	Glu	Leu	Pro	Lys	Gly	Pro	Glu	Gln	Val	Pro	Val	Pro	Asp	Pro

115					120					125						
Ala	Arg	Xaa	Ala	Gly	Gly	Pro	Glu	Glu	Arg	Leu	Ala	Glu	Glu	Phe	Pro	
130					135					140						
Gly	Gln	Ser	Gln	Asp	Val	Thr	Gly	Gly	Ser	Gln	Asp	Arg	Lys	Lys	Pro	
145					150					155					160	
Gly	Lys	Glu	Val	Ala	Ala	Thr	Gly	Thr	Ser	Ile	Leu	Lys	Glu	Ala	Asn	
165					170					175						
Trp	Leu	Val	Ala	Gly	Pro	Gly	Ala	Glu	Thr	Gly	Asp	Pro	Arg	Met	Lys	
180					185					190						
Pro	Lys	Gln	Val	Ser	Arg	Asp	Leu	Gly	Leu	Ala	Ala	Asp	Leu	Pro	Gly	
195					200					205						
Gly	Ala	Glu	Gly	Ala	Ala	Ala	Gln	Pro	Gln	Ala	Val	Leu	Arg	Gln	Pro	
210					215					220						
Glu	Leu	Arg	Val	Ile	Ser	Asp	Gly	Glu	Gln	Gly	Gly	Gln	Gln	Gly	His	
225					230					235					240	
Arg	Leu	Asp	His	Gly	Gly	His	Leu	Glu	Met	Arg	Lys	Ala	Arg	Gly	Gly	
245					250					255						
Asp	His	Val	Pro	Val	Ser	His	Glu	Gln	Pro	Arg	Gly	Gly	Glu	Asp	Ala	
260					265					270						
Ala	Val	Gln	Glu	Pro	Arg	Gln	Arg	Pro	Glu	Pro	Glu	Leu	Gly	Leu	Lys	
275					280					285						
Arg	Ala	Val	Pro	Gly	Gly	Gln	Arg	Pro	Asp	Asn	Ala	Lys	Pro	Asn	Arg	
290					295					300						
Asp	Leu	Lys	Leu	Gln	Ala	Gly	Ser	Asp	Leu	Arg	Arg	Arg	Arg	Arg	Asp	
305					310					315					320	
Leu	Gly	Pro	His	Ala	Glu	Gly	Gln	Leu	Ala	Pro	Arg	Asp	Gly	Val	Ile	
325					330					335						
Ile	Gly	Leu	Asn	Pro	Leu	Pro	Asp	Val	Gln	Val	Asn	Asp	Leu	Arg	Gly	
340					345					350						
Ala	Leu	Asp	Ala	Gln	Leu	Arg	Gln	Ala	Ala	Gly	Gly	Ala	Leu	Gln	Val	
355					360					365						
Val	His	Ser	Arg	Gln	Leu	Arg	Gln	Ala	Pro	Gly	Pro	Pro	Glu	Glu	Ser	
370					375					380						

<210> 1424

<211> 973

<212> PRT

<213> Homo sapiens

<400> 1424

Met	Met	Ala	Ser	Ile	Gln	Ser	Phe	Ser	Ala	Met	Ala	Leu	Leu	Phe	Tyr
1				5				10						15	
Thr	Val	Phe	Met	Phe	Val	Ile	Val	Leu	Ser	Ser	Leu	Lys	His	Gly	Leu
			20					25					30		
Phe	Ser	Gly	Gln	Trp	Leu	Arg	Arg	Val	Ser	Tyr	Val	Arg	Trp	Glu	Gly
		35					40					45			
Val	Phe	Arg	Cys	Ile	Pro	Ile	Phe	Gly	Met	Ser	Phe	Ala	Cys	Gln	Ser
	50					55					60				
Gln	Val	Leu	Pro	Thr	Tyr	Asp	Ser	Leu	Asp	Glu	Pro	Ser	Val	Lys	Thr
65					70					75					80
Met	Ser	Ser	Ile	Phe	Ala	Ser	Ser	Leu	Asn	Val	Val	Thr	Thr	Phe	Tyr
			85						90					95	
Val	Met	Val	Gly	Phe	Phe	Gly	Tyr	Val	Ser	Phe	Thr	Glu	Ala	Thr	Ala
			100					105					110		
Gly	Asn	Val	Leu	Met	His	Phe	Pro	Ser	Asn	Leu	Val	Thr	Glu	Met	Leu
	115						120					125			
Arg	Val	Gly	Phe	Met	Met	Ser	Val	Ala	Val	Gly	Phe	Pro	Met	Met	Ile
	130					135					140				
Leu	Pro	Cys	Arg	Gln	Ala	Leu	Ser	Thr	Leu	Leu	Cys	Glu	Gln	Gln	Gln
145					150					155					160
Lys	Asp	Gly	Thr	Phe	Ala	Ala	Gly	Gly	Tyr	Met	Pro	Pro	Leu	Arg	Phe
				165					170					175	
Lys	Ala	Leu	Thr	Leu	Ser	Val	Val	Phe	Gly	Thr	Met	Val	Gly	Gly	Ile
			180					185					190		
Leu	Ile	Pro	Asn	Val	Glu	Thr	Ile	Leu	Gly	Leu	Thr	Gly	Ala	Thr	Met
		195					200					205			
Gly	Ser	Leu	Ile	Cys	Phe	Ile	Cys	Pro	Ala	Leu	Ile	Tyr	Lys	Lys	Ile
	210					215						220			
His	Lys	Asn	Ala	Leu	Ser	Ser	Gln	Val	Val	Leu	Trp	Val	Gly	Leu	Gly
225					230					235					240
Val	Leu	Val	Val	Ser	Thr	Val	Thr	Thr	Leu	Ser	Val	Ser	Glu	Glu	Val
				245					250					255	
Pro	Glu	Asp	Leu	Ala	Glu	Glu	Ala	Pro	Gly	Gly	Arg	Leu	Gly	Glu	Ala
			260					265					270		
Glu	Gly	Leu	Met	Lys	Val	Glu	Ala	Ala	Arg	Leu	Ser	Ala	Gln	Asp	Pro
		275					280					285			

Val	Val	Ala	Val	Ala	Glu	Asp	Gly	Arg	Glu	Lys	Pro	Lys	Leu	Pro	Lys		
	290					295					300						
Glu	Arg	Glu	Glu	Leu	Glu	Gln	Ala	Gln	Ile	Lys	Gly	Pro	Val	Asp	Val		
305					310					315					320		
Pro	Gly	Arg	Glu	Asp	Gly	Lys	Glu	Ala	Pro	Glu	Glu	Ala	Gln	Leu	Asp		
				325					330					335			
Arg	Pro	Gly	Gln	Gly	Ile	Ala	Val	Pro	Val	Gly	Glu	Ala	His	Arg	His		
			340					345					350				
Glu	Pro	Pro	Val	Pro	His	Asp	Lys	Val	Val	Val	Asp	Glu	Gly	Gln	Asp		
	355						360				365						
Arg	Glu	Val	Pro	Glu	Glu	Asn	Lys	Pro	Pro	Ser	Arg	His	Ala	Gly	Gly		
	370					375					380						
Lys	Ala	Pro	Gly	Val	Gln	Gly	Gln	Met	Ala	Pro	Pro	Leu	Pro	Asp	Ser		
385					390					395					400		
Glu	Arg	Glu	Lys	Gln	Glu	Pro	Glu	Gln	Gly	Glu	Val	Gly	Lys	Arg	Pro		
			405						410					415			
Gly	Gln	Ala	Gln	Ala	Leu	Glu	Glu	Ala	Gly	Asp	Leu	Pro	Glu	Asp	Pro		
			420					425					430				
Gln	Lys	Val	Pro	Glu	Ala	Asp	Gly	Gln	Pro	Ala	Val	Gln	Pro	Ala	Lys		
	435						440					445					
Glu	Asp	Leu	Gly	Pro	Gly	Asp	Arg	Gly	Leu	His	Pro	Arg	Pro	Gln	Ala		
	450					455					460						
Val	Leu	Ser	Glu	Gln	Gln	Asn	Gly	Leu	Ala	Val	Gly	Gly	Gly	Glu	Lys		
465					470					475					480		
Ala	Lys	Gly	Gly	Pro	Pro	Pro	Gly	Asn	Ala	Ala	Gly	Asp	Thr	Gly	Gln		
				485				490						495			
Pro	Ala	Glu	Asp	Ser	Asp	His	Gly	Gly	Lys	Pro	Pro	Leu	Pro	Ala	Glu		
			500					505					510				
Lys	Pro	Ala	Pro	Gly	Pro	Gly	Leu	Pro	Pro	Glu	Pro	Arg	Glu	Gln	Arg		
	515						520					525					
Asp	Val	Glu	Arg	Ala	Gly	Gly	Asn	Gln	Ala	Ala	Ser	Gln	Leu	Glu	Glu		
	530					535					540						
Ala	Gly	Arg	Ala	Glu	Met	Leu	Asp	His	Ala	Val	Leu	Leu	Gln	Val	Ile		
545					550					555					560		
Lys	Glu	Gln	Gln	Val	Gln	Gln	Lys	Arg	Leu	Leu	Asp	Gln	Gln	Glu	Lys		
				565					570					575			
Leu	Leu	Ala	Val	Ile	Glu	Glu	Gln	His	Lys	Glu	Ile	His	Gln	Gln	Arg		
			580					585					590				

Gln	Glu	Asp	Glu	Glu	Asp	Lys	Pro	Arg	Gln	Val	Glu	Val	His	Gln	Glu	
		595					600					605				
Pro	Gly	Ala	Ala	Val	Pro	Arg	Gly	Gln	Glu	Ala	Pro	Glu	Gly	Lys	Ala	
		610					615					620				
Arg	Glu	Thr	Val	Glu	Asn	Leu	Pro	Pro	Leu	Pro	Leu	Asp	Pro	Val	Leu	
		625					630					635				
Arg	Ala	Pro	Gly	Gly	Arg	Pro	Ala	Pro	Ser	Gln	Asp	Leu	Asn	Gln	Arg	
				645					650					655		
Ser	Leu	Glu	His	Ser	Glu	Gly	Pro	Val	Gly	Arg	Asp	Pro	Ala	Gly	Pro	
				660					665					670		
Pro	Asp	Gly	Gly	Pro	Asp	Thr	Glu	Pro	Arg	Ala	Ala	Gln	Gly	Lys	Leu	
				675					680					685		
Arg	Asp	Gly	Gln	Lys	Asp	Ala	Ala	Pro	Arg	Ala	Ala	Gly	Thr	Val	Lys	
				690					695					700		
Glu	Leu	Pro	Lys	Gly	Pro	Glu	Gln	Val	Pro	Val	Pro	Asp	Pro	Ala	Arg	
				705					710					715		
Glu	Ala	Gly	Gly	Pro	Glu	Glu	Arg	Leu	Ala	Glu	Glu	Phe	Pro	Gly	Gln	
				725					730					735		
Ser	Gln	Asp	Val	Thr	Gly	Gly	Ser	Gln	Asp	Arg	Lys	Lys	Pro	Gly	Lys	
				740					745					750		
Glu	Val	Ala	Ala	Thr	Gly	Thr	Ser	Ile	Leu	Lys	Glu	Ala	Asn	Trp	Leu	
				755					760					765		
Val	Ala	Gly	Pro	Gly	Ala	Glu	Thr	Gly	Asp	Pro	Arg	Met	Lys	Pro	Lys	
				770					775					780		
Gln	Val	Ser	Arg	Asp	Leu	Gly	Leu	Ala	Ala	Asp	Leu	Pro	Gly	Gly	Ala	
				785					790					795		
Glu	Gly	Ala	Ala	Ala	Gln	Pro	Gln	Ala	Val	Leu	Arg	Gln	Pro	Glu	Leu	
				805					810					815		
Arg	Val	Ile	Ser	Asp	Gly	Glu	Gln	Gly	Gly	Gln	Gln	Gly	His	Arg	Leu	
				820					825					830		
Asp	His	Gly	Gly	His	Leu	Glu	Met	Arg	Lys	Ala	Arg	Gly	Gly	Asp	His	
				835					840					845		
Val	Pro	Val	Ser	His	Glu	Gln	Pro	Arg	Gly	Gly	Glu	Asp	Ala	Ala	Val	
				850					855					860		
Gln	Glu	Pro	Arg	Gln	Arg	Pro	Glu	Pro	Glu	Leu	Gly	Leu	Lys	Arg	Ala	
				865					870					875		
Val	Pro	Gly	Gly	Gln	Arg	Pro	Asp	Asn	Ala	Lys	Pro	Asn	Arg	Asp	Leu	
				885					890					895		

Lys Leu Gln Ala Gly Ser Asp Leu Arg Arg Arg Arg Arg Asp Leu Gly
 900 905 910
 Pro His Ala Glu Gly Gln Leu Ala Pro Arg Asp Gly Val Ile Gly Leu
 915 920 925
 Asn Pro Leu Pro Asp Val Gln Val Asn Asp Leu Arg Gly Ala Leu Asp
 930 935 940
 Ala Gln Leu Arg Gln Ala Ala Gly Gly Ala Leu Gln Val Val His Ser
 945 950 955 960
 Arg Gln Leu Arg Gln Ala Pro Gly Pro Pro Glu Glu Ser
 965 970

<210> 1425
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (104)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1425
 Met Tyr Leu Gln Ile Pro Val Lys His Met Leu His Ser Gly Tyr Gln
 1 5 10 15
 Ala Thr Phe Phe Ser Pro Lys Ile Gly Cys Ser Ser Ile Leu Val Phe
 20 25 30
 Val Cys Leu Leu Val Phe Leu Arg Gln Ser Leu Ala Leu Leu Pro Arg
 35 40 45
 Leu Glu Tyr Ser Gly Ala Ile Leu Ala His Cys Asn Leu His Leu Leu
 50 55 60
 Gly Ser Ser Asp Ser Pro Ala Ser Ala Ser Pro Val Ala Gly Ile Thr
 65 70 75 80
 Gly Met His His His Thr Gln Leu Xaa Phe Cys Thr Phe Ser Arg Xaa
 85 90 95

Gly Ile Tyr Gln Leu Ala Ser Xaa Ser Pro Asn Pro Asp Leu
100 105 110

<210> 1426
<211> 57
<212> PRT
<213> Homo sapiens

<400> 1426
Phe Asn Thr Pro Lys Ile Phe Phe Gly Thr Tyr His Arg Gln Gly Thr
1 5 10 15
Leu Ile Ser Thr Gly Asp Thr Ile Ser Cys Leu Gly Leu Leu Cys Ser
20 25 30
Ser Ala Ala Arg Glu Gly Ile Ala Ile Cys Arg Ile Leu Lys Lys His
35 40 45
Lys His Lys Gly Ala Lys Leu Tyr Ile
50 55

<210> 1427
<211> 127
<212> PRT
<213> Homo sapiens

<400> 1427
Met Leu His Ser Gly Tyr Gln Ala Thr Phe Phe Ser Pro Lys Ile Gly
1 5 10 15
Cys Ser Ser Ile Leu Val Phe Val Cys Leu Leu Val Phe Leu Arg Gln
20 25 30
Ser Leu Ala Leu Leu Pro Arg Leu Glu Tyr Ser Gly Ala Ile Leu Ala
35 40 45
His Cys Asn Leu His Leu Leu Gly Ser Ser Asp Ser Pro Ala Ser Ala
50 55 60
Ser Pro Val Ala Gly Ile Thr Gly Met His His His Thr Gln Leu Phe
65 70 75 80
Phe Cys Thr Phe Ser Arg Asp Gly Ile Leu Pro Cys Trp Pro Gly Trp
85 90 95
Ser Pro Thr Pro Asp Leu Arg Gln Ser Thr Leu Leu Ser Leu Pro Lys
100 105 110
Cys Trp Asp Tyr Arg His Glu Pro Leu Arg Pro Ala Gln Ala Phe
115 120 125

<210> 1428
<211> 80
<212> PRT
<213> Homo sapiens

<400> 1428
Met Phe Ile Pro Gln Leu Pro Ala Leu Gly Leu Thr Ser Leu Met Met
1 5 10 15
Ala Ile Ser Leu Asn Val Ser Val Ser Gln Gly Leu Ser Ser Ala Cys
20 25 30
Met His Leu Arg Met Gln Ala Cys Lys Pro Thr Arg Val Gln Ala Lys
35 40 45
Val Leu Gly Asp Trp Val Gln Glu Asn His Val Ile Glu Asn Gly Ala
50 55 60
Thr Leu Arg Pro Trp Gln Asp Pro Leu His Asp Lys Tyr Arg Met Lys
65 70 75 80

<210> 1429
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1429
His Phe Ser Phe Trp Phe Ile His Phe Pro His Phe His Leu Lys Ile
1 5 10 15
Leu Thr Lys Cys Leu Ala Glu Phe Ser Lys Tyr Asn Asn Phe Thr Leu
20 25 30
Pro Ala Asp Asn Glu Xaa Ile Arg Val Gln Asn Pro Phe Gln Leu Ser
35 40 45
Lys His Leu Leu Ser Leu Tyr Phe Val Ser Asp Thr Gly Val Lys Phe
50 55 60
Trp Lys Cys Lys Arg Asn Leu His Leu
65 70

<210> 1430
<211> 80
<212> PRT

<213> Homo sapiens

<400> 1430

Met Phe Ile Pro Gln Leu Pro Ala Leu Gly Leu Thr Ser Leu Met Met
1 5 10 15

Ala Ile Ser Leu Asn Val Ser Val Ser Gln Gly Leu Ser Ser Ala Cys
20 25 30

Met His Leu Arg Met Gln Ala Cys Lys Pro Thr Arg Val Gln Ala Lys
35 40 45

Val Leu Gly Asp Trp Val Gln Glu Asn His Val Ile Glu Asn Gly Ala
50 55 60

Thr Leu Arg Pro Trp Gln Asp Pro Leu His Asp Lys Tyr Arg Met Lys
65 70 75 80

<210> 1431

<211> 26

<212> PRT

<213> Homo sapiens

<400> 1431

Met Leu Arg Trp His Leu Trp Ser Trp Phe Cys Trp Phe Cys Leu Ser
1 5 10 15

Glu Ala Gly Val Leu Leu Asp Leu Pro Thr
20 25

<210> 1432

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (79)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1432
 Xaa Met Ser Arg Gln His Arg Leu Asn Pro His Gly Pro Asp Pro Ala
 1 5 10 15
 Ala Pro His Arg Ala Cys Arg Leu Xaa Ser Pro Arg Gln Val Thr Trp
 20 25 30
 Leu Thr Pro Ala Glu Ala Leu Pro Leu Xaa Pro Cys Pro Ser Gln Cys
 35 40 45
 Gly Ala His Cys Arg Gln His Gly Pro Glu Arg Glu Gly Ser Ala Xaa
 50 55 60
 Pro Ala Ala Leu Leu Arg Pro Gly Leu Pro Val Phe Gly His Xaa Leu
 65 70 75 80
 Arg Leu Ser Gln

<210> 1433
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 1433
 Met Leu Arg Trp His Leu Trp Ser Trp Phe Cys Trp Phe Cys Leu Ser
 1 5 10 15
 Glu Ala Gly Val Leu Leu Asp Leu Pro Thr
 20 25

<210> 1434
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 1434
 Met Ala Leu Arg Met Leu Trp Ala Gly Gln Ala Lys Gly Ile Leu Gly
 1 5 10 15
 Gly Trp Gly Ile Ile Cys Leu Val Met Ser Leu Leu Leu Gln His Pro
 20 25 30

<210> 1436
<211> 80
<212> PRT
<213> Homo sapiens

<400> 1436
Met Phe Asp Arg Cys Arg Val Thr Ser Cys Ser Cys Thr Cys Gly Ala
1 5 10 15
Gly Ala Lys Trp Cys Thr His Val Val Ala Leu Cys Leu Phe Arg Ile
20 25 30
His Asn Ala Ser Ala Val Cys Leu Arg Ala Pro Val Ser Glu Ser Leu
35 40 45
Ser Arg Leu Gln Arg Asp Gln Leu Gln Lys Phe Ala Gln Tyr Leu Ile
50 55 60
Ser Glu Leu Pro Gln Gln Val Gly Glu Val Gly Thr Pro Ser Cys Asn
65 70 75 80

<210> 1437
<211> 145
<212> PRT
<213> Homo sapiens

<400> 1437
Asp Pro Ser Gly Ser Phe Met Gly Arg Ser Val Met Met Arg Ile Leu
1 5 10 15
Gly Ser Pro Val Phe Phe Pro Met His Asp Thr Ser Val Cys Leu Thr
20 25 30
Tyr Pro Asn Phe Tyr Thr Val Val Ser Pro Thr Gly Ser Arg Pro Pro
35 40 45
Ser Arg Asn Trp Asn Ser Glu Thr Pro Gly Asp Glu Glu Leu Gly Phe
50 55 60
Glu Ala Ala Val Ala Ala Leu Gly Met Lys Thr Thr Val Ser Glu Ala
65 70 75 80
Glu His Pro Leu Leu Cys Glu Gly Thr Arg Arg Glu Lys Gly Asp Leu
85 90 95
Ala Leu Ala Leu Met Ile Thr Tyr Lys Asp Asp Gln Ala Lys Leu Lys
100 105 110
Lys Lys Ile Ser Arg Ala Trp Trp Arg Ala Pro Val Val Pro Ala Thr
115 120 125

Arg Glu Ala Glu Val Gly Glu Leu Leu Glu Pro Arg Ser Leu Arg Leu
130 135 140

Gln
145

<210> 1438
<211> 80
<212> PRT
<213> Homo sapiens

<400> 1438
Met Phe Asp Arg Cys Arg Val Thr Ser Cys Ser Cys Thr Cys Gly Ala
1 5 10 15
Gly Ala Lys Trp Cys Thr His Val Val Ala Leu Cys Leu Phe Arg Ile
20 25 30
His Asn Ala Ser Ala Val Cys Leu Arg Ala Pro Val Ser Glu Ser Leu
35 40 45
Ser Arg Leu Gln Arg Asp Gln Leu Gln Lys Phe Ala Gln Tyr Leu Ile
50 55 60
Ser Glu Leu Pro Gln Gln Val Gly Glu Val Gly Thr Pro Ser Cys Asn
65 70 75 80

<210> 1439
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1439
Met Ala Ser Gln Val Pro Ser Ser Pro Phe Gln Ser Phe Phe Val Phe
1 5 10 15
Val Phe Val Phe Leu Arg Pro Ser His Ser Val Ala Gln Ala Gly Val
20 25 30
Pro Leu His Phe Tyr Phe Phe Ile Gln Gln Val Leu Ile Lys Cys Ala
35 40 45
Leu Tyr Gln Val Leu Ser Ser Xaa Leu Gly Tyr Asn Gly Asp Gln Gly
50 55 60

Asp Cys Arg Phe Trp Gln Gly Lys Leu Thr Ser Asn Thr Ala Thr Arg
65 70 75 80

His Ser Glu Thr Leu Ser Leu Leu Glu Glu Leu
85 90

<210> 1440
<211> 137
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1440
Met Ser Ala Lys Gln Val Thr Ser Gln Ser Ser Leu Ser Glu Asn Asp
1 5 10 15

Gly Phe Gln Ala Phe Val Trp Trp Leu Leu Gly Ile Gly Ala Leu Thr
20 25 30

Phe Ala Leu Leu Met Ser Ala Arg Met Gly Ile Phe Gln Glu Thr Leu
35 40 45

Tyr Lys Arg Phe Gly Lys His Ser Lys Glu Ala Leu Phe Tyr Asn His
50 55 60

Ala Leu Pro Leu Pro Gly Phe Val Phe Leu Ala Ser Asp Ile Tyr Asp
65 70 75 80

His Ala Val Leu Phe Asn Lys Ser Glu Leu Tyr Glu Ile Pro Val Ile
85 90 95

Gly Val Thr Leu Pro Ile Met Trp Phe Tyr Leu Leu Met Asn Ile Ile
100 105 110

Thr Gln Tyr Val Cys Ile Arg Gly Val Phe Ile Leu Thr Thr Gly Met
115 120 125

Arg Leu Pro Xaa Arg His Ala Arg Ser
130 135

<210> 1441
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1441

Pro	Tyr	Pro	Phe	Cys	Xaa	Pro	Ser	Pro	Phe	Pro	Ser	Ser	Ala	Ala	Pro
1				5					10					15	
His	Ser	Gln	Ser	Asp	Ala	Ala	Gly	Thr	Thr	Ile	Thr	Arg	Ser	Gly	Gln
			20					25					30		
Val	Asn	Arg	Asp	Thr	Ser	Asn	Ser	Arg	Ala	Gly	Leu	Pro	Pro	Ala	Phe
		35					40					45			
Trp	Glu	Gly	Lys	Arg	Cys	Ser	Pro	Glu	Leu	Ile	Pro	Ser	Asp	Ser	Ala
	50					55					60				
Ala	Arg	Leu	Val	Gly	Leu	Leu	Phe	Pro	Thr	Phe	Cys	Phe	Phe	Phe	Phe
65					70					75					80
Leu	Cys	Lys	Ser	Gln	Met	Leu	Leu	Ser	Ile	Ala	Phe	Cys	Asp		
				85					90						

<210> 1442

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1442

Met	Gly	Phe	Ser	Gly	Pro	Ala	Leu	Leu	Phe	Pro	Ile	Phe	Leu	Leu	His
1				5					10					15	
Ser	Ala	Ser	Ser	Met	Leu	Ser	His	Thr	Ser	Thr	Ile	Val	Gln	Thr	Asn
			20					25					30		
Lys	Gln	Thr	Glu	Glu	Arg	Lys	Asp	Gly	Glu	Phe	Cys	Asn	Arg	Ala	Ala
		35					40					45			
Lys	Ser	Gln	Ser	Lys	Gln	Glu	Glu	Val	Glu	Gly	Thr	Lys	Thr	Asn	Lys
	50					55					60				
Gln	Arg	Cys	Leu	Asp	Tyr	Ser	Thr	Val	Asp	Met	Pro	Ser	Ile	Leu	Ala
65					70					75					80
Cys	Ala	Pro	Leu	Ser	Ile	Thr	Gly	His	Asn	Ser	Glu	Glu	Val	Gln	Ile
				85					90					95	
Lys	Trp	Cys	Leu	Phe	Val	Cys	Xaa								
			100												

<210> 1443

<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1443
Met Gly Phe Ser Gly Pro Ala Leu Leu Phe Pro Ile Phe Leu Leu His
1 5 10 15
Ser Ala Ser Ser Met Leu Ser His Thr Ser Thr Ile Val Gln Thr Asn
20 25 30
Lys Gln Thr Glu Glu Arg Lys Asp Gly Glu Phe Cys Asn Arg Ala Ala
35 40 45
Lys Ser Gln Ser Lys Gln Glu Glu Val Glu Gly Thr Lys Thr Asn Lys
50 55 60
Gln Arg Cys Leu Asp Tyr Ser Thr Val Asp Met Pro Ser Ile Leu Ala
65 70 75 80
Cys Ala Pro Leu Ser Ile Thr Gly His Asn Ser Glu Glu Val Gln Ile
85 90 95
Lys Trp Cys Leu Phe Val Cys Xaa
100

<210> 1444
<211> 88
<212> PRT
<213> Homo sapiens

<400> 1444
Met Trp Gly Glu Pro Gly Gly Arg Val Ser Ala Leu Ala Gln Val Ser
1 5 10 15
Ala Gly Tyr Ala Pro Ser Gly Ser Gln Lys Cys Phe Leu Gln Gly Leu
20 25 30
Arg Val Leu Leu Leu Val Val Gln Leu Ser Ala Pro His Leu Cys Pro
35 40 45
Asn Pro Asn Ser Cys Gln Val Leu Ala Ser Tyr Phe Ser Cys Leu Tyr
50 55 60
Ser Tyr Trp Asp Thr Ile Glu Ser Pro Arg Ala Val Gly Ser His Leu
65 70 75 80
Arg Gly Arg Tyr Ile Gly Ser Ser
85

<210> 1445
<211> 64
<212> PRT
<213> Homo sapiens

<400> 1445
Ser Gln Arg Ser Gly Arg Leu Arg Gln Glu Asp His Leu Arg Ser Gly
1 5 10 15
Val Gln Cys Gly Gln His Ser Lys Thr Leu Ser Leu Gln Lys Asn Leu
20 25 30
Lys Leu Ser Trp His Trp Trp Arg Met Ala Val Val Pro Ala Thr Trp
35 40 45
Glu Val Glu Val Gly Gly Ser Leu Glu Pro Arg Ser Ser Ser Leu Gln
50 55 60

<210> 1446
<211> 88
<212> PRT
<213> Homo sapiens

<400> 1446
Met Trp Gly Glu Pro Gly Gly Arg Val Ser Ala Leu Ala Gln Val Ser
1 5 10 15
Ala Gly Tyr Ala Pro Ser Gly Ser Gln Lys Cys Phe Leu Gln Gly Leu
20 25 30
Arg Val Leu Leu Leu Val Val Gln Leu Ser Ala Pro His Leu Cys Pro
35 40 45
Asn Pro Asn Ser Cys Gln Val Leu Ala Ser Tyr Phe Ser Cys Leu Tyr
50 55 60
Ser Tyr Trp Asp Thr Ile Glu Ser Pro Arg Ala Val Gly Ser His Leu
65 70 75 80
Arg Gly Arg Tyr Ile Gly Ser Ser
85

<210> 1447
<211> 82
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1447
Met Ala Ser His Ser Phe Leu Leu Asp Ile Tyr Leu Val Leu Ser Leu
1 5 10 15
Trp Lys Cys Ile Pro Gly Leu Val Gln Asp Val Phe Leu Glu Met Lys
20 25 30
Val Leu Thr Glu Ser Ala Leu Cys Lys Val Met Thr Leu Glu Pro Leu
35 40 45
Gln His Ser Val Leu Val Phe Arg Cys Trp Gln Ser Xaa Phe Gln Ala
50 55 60
Lys Ser Ser Arg Pro Cys Gln Ala Ser Ile Phe Ala Tyr Tyr Thr Leu
65 70 75 80
Asn Phe

<210> 1448
<211> 82
<212> PRT
<213> Homo sapiens

<400> 1448
Met Ala Ser His Ser Phe Leu Leu Asp Ile Tyr Leu Val Leu Ser Leu
1 5 10 15
Trp Lys Cys Ile Pro Gly Leu Val Gln Asp Val Phe Leu Glu Met Lys
20 25 30
Val Leu Thr Glu Ser Ala Leu Cys Lys Val Met Thr Leu Glu Pro Leu
35 40 45
Gln His Ser Val Leu Val Phe Arg Cys Trp Gln Ser Pro Phe Gln Ala
50 55 60
Lys Ser Ser Arg Pro Cys Gln Ala Ser Ile Phe Ala Tyr Tyr Thr Leu
65 70 75 80
Asn Phe

<210> 1449
<211> 103
<212> PRT
<213> Homo sapiens

<400> 1449

Met Gln Ser Phe His His Pro Leu Arg Ile Leu Leu Trp Leu Pro Leu
 1 5 10 15
 Val Thr Lys Lys Ser Leu Cys Pro Val His Lys Thr Met Thr Gln Leu
 20 25 30
 Ser Leu Val Leu Ala Ser Leu Ser Asn Ser Leu Ser Phe Gly Tyr Pro
 35 40 45
 Gly Phe Val Arg Ala Asn Arg Gln Thr Ser Leu Ile Gly Glu Phe Leu
 50 55 60
 Gly Gly Gly Gly Trp His Ala Phe Ala Tyr Cys Phe Leu Ser Ala Glu
 65 70 75 80
 Asn Ala Ser Leu Ser Leu Ala Val Ser Ala Thr Pro Pro Asp Leu Val
 85 90 95
 Ser Leu Ile Cys Leu Ser Gln
 100

<210> 1450
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1450
 Ala Ala Met Arg Trp Arg Trp Trp Gln Arg Leu Leu Pro Trp Arg Leu
 1 5 10 15
 Leu Gln Ala Arg Gly Phe Pro Gln Asn Ser Ala Pro Ser Leu Gly Leu
 20 25 30
 Xaa Ala Arg Thr Tyr Ser Gln Gly Asp Cys Ser Tyr Ser Arg Thr Ala
 35 40 45
 Leu Leu
 50

<210> 1451
 <211> 130
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (115)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (126)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1451
 Met Arg Trp Arg Trp Trp Gln Arg Leu Leu Pro Trp Arg Leu Leu Gln
 1 5 10 15
 Ala Arg Gly Phe Pro Gln Asn Ser Ala Pro Ser Leu Gly Leu Xaa Ala
 20 25 30
 Arg Thr Tyr Ser Gln Gly Asp Cys Ser Tyr Ser Arg Thr Ala Leu Tyr
 35 40 45
 Asp Leu Leu Gly Val Pro Ser Thr Ala Thr Gln Ala Gln Ile Lys Ala
 50 55 60
 Ala Tyr Tyr Arg Gln Cys Phe Leu Tyr His Pro Asp Arg Asn Ser Gly
 65 70 75 80
 Ser Ala Glu Ala Ala Glu Arg Phe Thr Arg Ile Ser Gln Ala Tyr Val
 85 90 95
 Val Leu Gly Ser Ala Pro Ser Val Ala Ser Met Ile Ala Ala Tyr Ser
 100 105 110
 Ala Thr Xaa Xaa Cys Ala Asp Leu Ala Xaa Gly Leu Gln Xaa Xaa Arg
 115 120 125
 His Pro
 130

<210> 1452

<211> 30
<212> PRT
<213> Homo sapiens

<400> 1452
Leu Asn Pro Trp Pro Leu Ile Val Tyr Leu Cys Trp Asp Pro Lys Glu
1 5 10 15
Leu Tyr Ser Pro Cys Pro Pro Arg Pro Ala Gln Leu Ser Arg
20 25 30

<210> 1453
<211> 226
<212> PRT
<213> Homo sapiens

<400> 1453
Met Ala Ala Met Arg Trp Arg Trp Trp Gln Arg Leu Leu Pro Trp Arg
1 5 10 15
Leu Leu Gln Ala Arg Gly Phe Pro Gln Asn Ser Ala Pro Ser Leu Gly
20 25 30
Leu Gly Ala Arg Thr Tyr Ser Gln Gly Asp Cys Ser Tyr Ser Arg Thr
35 40 45
Ala Leu Tyr Asp Leu Leu Gly Val Pro Ser Thr Ala Thr Gln Ala Gln
50 55 60
Ile Lys Ala Ala Tyr Tyr Arg Gln Cys Phe Leu Tyr His Pro Asp Arg
65 70 75 80
Asn Ser Gly Ser Ala Glu Ala Ala Glu Arg Phe Thr Arg Ile Ser Gln
85 90 95
Ala Tyr Val Val Leu Gly Ser Ala Thr Leu Arg Arg Lys Tyr Asp Arg
100 105 110
Gly Leu Leu Ser Asp Glu Asp Leu Arg Gly Pro Gly Val Arg Pro Ser
115 120 125
Arg Thr Pro Ala Pro Asp Pro Gly Ser Pro Arg Thr Pro Pro Pro Thr
130 135 140
Ser Arg Thr His Asp Gly Ser Arg Ala Ser Pro Gly Ala Asn Arg Thr
145 150 155 160
Met Phe Asn Phe Asp Ala Phe Tyr Gln Ala His Tyr Gly Glu Gln Leu
165 170 175
Glu Arg Glu Arg Arg Leu Arg Ala Arg Arg Glu Ala Leu Arg Lys Arg
180 185 190
Gln Glu Tyr Arg Ser Met Lys Gly Leu Arg Trp Glu Asp Thr Arg Asp
195 200 205

Thr Ala Ala Ile Phe Leu Ile Phe Ser Ile Phe Ile Ile Ile Gly Phe
210 215 220

Tyr Ile
225

<210> 1454
<211> 302
<212> PRT
<213> Homo sapiens

<400> 1454
Met Leu Val Thr Asn Arg Pro Gly Val Leu Lys Glu Pro Lys Leu Met
1 5 10 15
Gly Ala Ile Ser Phe Phe Ile Phe Phe Phe Thr Leu Leu Val Leu Ala
20 25 30
Arg Gln Asn Glu Tyr Tyr Cys Arg Leu Asp Phe Leu Trp Lys Lys Lys
35 40 45
Leu Arg Gln Glu Arg Glu Glu Thr Glu Thr Met Glu Asn Leu Thr Arg
50 55 60
Leu Leu Leu Glu Asn Val Leu Pro Ala His Val Ala Pro Gln Phe Ile
65 70 75 80
Gly Gln Asn Arg Arg Asn Glu Asp Leu Tyr His Gln Ser Tyr Glu Cys
85 90 95
Val Cys Val Leu Phe Ala Ser Val Pro Asp Phe Lys Glu Phe Tyr Ser
100 105 110
Glu Ser Asn Ile Asn His Glu Gly Leu Glu Cys Leu Arg Leu Leu Asn
115 120 125
Glu Ile Ile Ala Asp Phe Asp Glu Leu Leu Ser Lys Pro Lys Phe Ser
130 135 140
Gly Val Glu Lys Ile Lys Thr Ile Gly Ser Thr Tyr Met Ala Ala Thr
145 150 155 160
Gly Leu Asn Ala Thr Ser Gly Gln Asp Ala Gln Gln Asp Ala Glu Arg
165 170 175
Ser Cys Ser His Leu Gly Thr Met Val Glu Phe Ala Val Ala Leu Gly
180 185 190
Ser Lys Leu Asp Val Ile Asn Lys His Ser Phe Asn Asn Phe Arg Leu
195 200 205
Arg Val Gly Leu Asn His Gly Pro Val Val Ala Gly Val Ile Gly Ala
210 215 220

Gln Lys Pro Gln Tyr Asp Ile Trp Gly Asn Thr Val Asn Val Ala Ser
 225 230 235 240
 Arg Met Glu Ser Thr Gly Val Leu Gly Lys Ile Gln Val Thr Glu Glu
 245 250 255
 Thr Ala Trp Ala Leu Gln Ser Leu Gly Tyr Thr Cys Tyr Ser Arg Gly
 260 265 270
 Val Ile Lys Val Lys Gly Lys Gly Gln Leu Cys Thr Tyr Phe Leu Asn
 275 280 285
 Thr Asp Leu Thr Arg Thr Gly Pro Pro Ser Ala Thr Leu Gly
 290 295 300

<210> 1455
 <211> 76
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1455
 Met Gly Pro Phe Phe Pro Tyr Ser Leu Leu Xaa Phe Phe Pro Cys Ser
 1 5 10 15
 Phe Ser Ser Pro Ser Phe Ile Phe Leu Leu Leu Ile Leu Lys Thr Gly
 20 25 30
 Cys Ser Leu Phe Pro Cys Cys Pro Ile Ser Pro Leu Cys Pro Tyr Phe
 35 40 45
 Ser Gln Ser Leu Ser Pro Leu Lys Ser Arg Ala Gly Arg Cys Tyr Trp
 50 55 60
 Cys Phe Phe Thr Leu Gly Pro Ser Ser Tyr Leu Leu
 65 70 75

<210> 1456
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 1456
 Thr Leu Thr Gln His Gln Gly Ala His Leu Gly Pro Phe Leu Asp Met
 1 5 10 15
 Ser Phe Leu His Tyr His Ser His Glu Pro Pro Thr Ser Gly Ile Ala
 20 25 30

Asp Gln Gly Trp Gly Glu Asn Val Ala Cys Cys Phe Leu Val Leu Val
35 40 45

Ile Ile Tyr Leu Asn Lys Gln Cys Cys Lys Tyr Leu Pro
50 55 60

<210> 1457
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1457
Met Arg Leu Ser Cys Pro Arg Xaa Pro Gly Trp Met Gly Pro Phe Phe
1 5 10 15
Pro Tyr Ser Leu Leu Ser Phe Phe Pro Cys Ser Phe Ser Ser Pro Ser
20 25 30
Phe Ile Phe Leu Leu Leu Ile Leu Lys Thr Gly Cys Ser Leu Phe Pro
35 40 45
Cys Cys Pro Ile Ser Pro Leu Cys Pro Tyr Phe Ser Gln Ser Leu Ser
50 55 60
Pro Leu Lys Ser Arg Ala Gly Arg Cys Tyr Trp Cys Phe Phe Thr Leu
65 70 75 80
Gly Pro Ser Ser Ile Phe Val Phe Ser Val Tyr Pro Leu Pro Asp Thr
85 90 95
Ser Phe Ser Pro Ser Leu Gly Pro Lys Ala Glu Asn Gln Cys
100 105 110

<210> 1458
<211> 99
<212> PRT
<213> Homo sapiens

<400> 1458
Met Gly Pro Phe Phe Pro Tyr Ser Leu Leu Ser Phe Phe Pro Cys Ser
1 5 10 15
Phe Ser Ser Pro Ser Phe Ile Phe Leu Leu Leu Ile Leu Lys Thr Gly
20 25 30
Cys Ser Leu Phe Pro Cys Cys Pro Ile Ser Pro Leu Cys Pro Tyr Phe
35 40 45

Ser Gln Ser Leu Ser Pro Leu Lys Ser Arg Ala Gly Arg Cys Tyr Trp
50 55 60

Cys Phe Phe Thr Leu Gly Pro Ser Ser Ile Phe Val Phe Ser Val Tyr
65 70 75 80

Pro Leu Pro Asp Thr Ser Phe Ser Pro Ser Leu Gly Pro Lys Ala Glu
85 90 95

Asn Gln Cys

<210> 1459
<211> 98
<212> PRT
<213> Homo sapiens

<400> 1459
Met Phe Ile Cys Phe Leu Thr Leu Leu Thr Pro Gly Phe Ser Leu Ser
1 5 10 15

Leu Arg Arg Lys His Tyr Leu Ile Thr Phe Arg Trp Phe Thr Tyr Ser
20 25 30

Val Lys Asn Met Cys Lys Tyr Phe Val Gln Ser Pro Val Ser Asn Lys
35 40 45

Gln Pro Tyr Val Val Thr Asn His Leu Phe Cys His Ser Val Leu Gly
50 55 60

His Arg Ser Val Gly Met Val Ser Asp Leu Asp Ala Pro Thr Phe His
65 70 75 80

Val Arg Pro Arg Thr Val Pro Trp Ser Val Asp Ser Trp Ser Ala Leu
85 90 95

Thr Gly

<210> 1460
<211> 98
<212> PRT
<213> Homo sapiens

<400> 1460
Met Phe Ile Cys Phe Leu Thr Leu Leu Thr Pro Gly Phe Ser Leu Ser
1 5 10 15

Leu Arg Arg Lys His Tyr Leu Ile Thr Phe Arg Trp Phe Thr Tyr Ser
20 25 30

Val Lys Asn Met Cys Lys Tyr Phe Val Gln Ser Pro Val Ser Asn Lys
35 40 45

Gln Pro Tyr Val Val Thr Asn His Leu Phe Cys His Ser Val Leu Gly
50 55 60

His Arg Ser Val Gly Met Val Ser Asp Leu Asp Ala Pro Thr Phe His
65 70 75 80

Val Arg Pro Arg Thr Val Pro Trp Ser Val Asp Ser Trp Ser Ala Leu
85 90 95

Thr Gly

<210> 1461
<211> 33
<212> PRT
<213> Homo sapiens

<400> 1461
Met Leu Val Leu Val Ser Gly Ile Ile Phe Ser Leu Ala Asp Arg Ser
1 5 10 15

Ser Ser Ser Thr Ile Arg Met Asp Ala Leu Ala Phe Leu Gln Gly Leu
20 25 30

Leu

<210> 1462
<211> 89
<212> PRT
<213> Homo sapiens

<400> 1462
Met Leu Val Leu Val Ser Gly Ile Ile Phe Ser Leu Ala Asp Arg Ser
1 5 10 15

Ser Ser Ser Thr Ile Arg Met Asp Ala Leu Ala Phe Leu Gln Gly Leu
20 25 30

Leu Gly Thr Glu Pro Ala Glu Ala Phe His Pro His Leu Pro Ile Leu
35 40 45

Leu Pro Pro Val Met Ala Cys Val Ala Asp Pro Phe Tyr Lys Ile Ala
50 55 60

Ala Arg Gly Pro Gly Gly Ala Ala Gly Ala Gly Ala Gly Pro Val Ala
65 70 75 80

Ala Ala Gln Ala Ser Asp Ala Gly Ser
85

<210> 1463
<211> 125
<212> PRT
<213> Homo sapiens

<400> 1463
Met Tyr Phe Ile Phe Thr Ser Phe Trp Ala Tyr Lys Ile Tyr Tyr Val
1 5 10 15
Tyr Gly Phe Met Met Leu Val Leu Val Ile Leu Cys Ile Val Thr Val
20 25 30
Cys Val Thr Ile Val Cys Thr Tyr Phe Leu Leu Asn Ala Glu Asp Tyr
35 40 45
Arg Trp Gln Trp Thr Ser Phe Leu Ser Ala Ala Ser Thr Ala Ile Tyr
50 55 60
Val Tyr Met Tyr Ser Phe Tyr Tyr Tyr Phe Phe Lys Thr Lys Met Tyr
65 70 75 80
Gly Leu Phe Gln Thr Ser Phe Tyr Phe Gly Tyr Met Ala Val Phe Ser
85 90 95
Thr Ala Leu Gly Ile Met Cys Gly Ala Ile Gly Tyr Met Gly Thr Ser
100 105 110
Ala Phe Val Arg Lys Ile Tyr Thr Asn Val Lys Ile Asp
115 120 125

<210> 1464
<211> 125
<212> PRT
<213> Homo sapiens

<400> 1464
Met Tyr Phe Ile Phe Thr Ser Phe Trp Ala Tyr Lys Ile Tyr Tyr Val
1 5 10 15
Tyr Gly Phe Met Met Leu Val Leu Val Ile Leu Cys Ile Val Thr Val
20 25 30
Cys Val Thr Ile Val Cys Thr Tyr Phe Leu Leu Asn Ala Glu Asp Tyr
35 40 45
Arg Trp Gln Trp Thr Ser Phe Leu Ser Ala Ala Ser Thr Ala Ile Tyr
50 55 60
Val Tyr Met Tyr Ser Phe Tyr Tyr Tyr Phe Phe Lys Thr Lys Met Tyr
65 70 75 80
Gly Leu Phe Gln Thr Ser Phe Tyr Phe Gly Tyr Met Ala Val Phe Ser
85 90 95

Thr Ala Leu Gly Ile Met Cys Gly Ala Ile Gly Tyr Met Gly Thr Ser
100 105 110

Ala Phe Val Arg Lys Ile Tyr Thr Asn Val Lys Ile Asp
115 120 125

<210> 1465

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1465

Met Arg Gly Thr Pro Lys Thr His Leu Leu Ala Phe Ser Leu Leu Cys
1 5 10 15

Leu Leu Ser Lys Val Arg Thr Gln Leu Cys Pro Thr Pro Cys Thr Cys
20 25 30

Pro Trp Pro Pro Pro Arg Cys Pro Leu Gly Val Pro Leu Val Leu Asp
35 40 45

Gly Cys Gly Cys Cys Arg Val Cys Ala Arg Arg Leu Gly Glu Pro Cys
50 55 60

Asp Gln Leu His Val Cys Asp Ala Ser Gln Gly Leu Val Cys Gln Pro
65 70 75 80

Gly Ala Gly Pro Gly Gly Arg Gly Ala Leu Cys Leu Leu Ala Glu Asp
85 90 95

Asp Ser Ser Cys Glu Val Asn Gly Arg Leu Tyr Arg Glu Gly Glu Thr
100 105 110

Phe Gln Pro His Cys Ser Ile Arg Cys Arg Cys Glu Asp Gly Gly Phe
115 120 125

Thr Cys Val Pro Leu Cys Ser Glu Asp Val Arg Leu Pro Ser Trp Asp
130 135 140

Cys Pro His Pro Arg Arg Val Glu Val Leu Gly Lys Cys Cys Pro Glu
145 150 155 160

Trp Val Cys Gly Gln Gly Gly Gly Leu Gly Thr Gln Pro Leu Pro Ala
165 170 175

Gln Gly Pro Gln Phe Ser Gly Leu Val Ser Ser Leu Pro Pro Gly Val
180 185 190

Pro Cys Pro Glu Trp Ser Thr Ala Trp Gly Pro Cys Ser Thr Thr Cys
195 200 205

Gly Leu Gly Met Ala Thr Arg Val Ser Asn Gln Asn Arg Phe Cys Arg
210 215 220

Leu Glu Thr Gln Arg Arg Leu Cys Leu Ser Arg Pro Cys Pro Pro Ser

225		230		235		240
Arg	Gly	Arg	Ser	Pro	Gln	Asn
				245		250
						Phe

<210> 1466
 <211> 250
 <212> PRT
 <213> Homo sapiens

<400> 1466															
Met	Arg	Gly	Thr	Pro	Lys	Thr	His	Leu	Leu	Ala	Phe	Ser	Leu	Leu	Cys
1				5				10					15		
Leu	Leu	Ser	Lys	Val	Arg	Thr	Gln	Leu	Cys	Pro	Thr	Pro	Cys	Thr	Cys
			20					25					30		
Pro	Trp	Pro	Pro	Pro	Arg	Cys	Pro	Leu	Gly	Val	Pro	Leu	Val	Leu	Asp
		35					40					45			
Gly	Cys	Gly	Cys	Cys	Arg	Val	Cys	Ala	Arg	Arg	Leu	Gly	Glu	Pro	Cys
	50					55					60				
Asp	Gln	Leu	His	Val	Cys	Asp	Ala	Ser	Gln	Gly	Leu	Val	Cys	Gln	Pro
65					70					75					80
Gly	Ala	Gly	Pro	Gly	Gly	Arg	Gly	Ala	Leu	Cys	Leu	Leu	Ala	Glu	Asp
				85					90					95	
Asp	Ser	Ser	Cys	Glu	Val	Asn	Gly	Arg	Leu	Tyr	Arg	Glu	Gly	Glu	Thr
			100					105					110		
Phe	Gln	Pro	His	Cys	Ser	Ile	Arg	Cys	Arg	Cys	Glu	Asp	Gly	Gly	Phe
		115					120					125			
Thr	Cys	Val	Pro	Leu	Cys	Ser	Glu	Asp	Val	Arg	Leu	Pro	Ser	Trp	Asp
	130					135					140				
Cys	Pro	His	Pro	Arg	Arg	Val	Glu	Val	Leu	Gly	Lys	Cys	Cys	Pro	Glu
145					150					155					160
Trp	Val	Cys	Gly	Gln	Gly	Gly	Gly	Leu	Gly	Thr	Gln	Pro	Leu	Pro	Ala
			165						170					175	
Gln	Gly	Pro	Gln	Phe	Ser	Gly	Leu	Val	Ser	Ser	Leu	Pro	Pro	Gly	Val
		180						185					190		
Pro	Cys	Pro	Glu	Trp	Ser	Thr	Ala	Trp	Gly	Pro	Cys	Ser	Thr	Thr	Cys
		195					200					205			
Gly	Leu	Gly	Met	Ala	Thr	Arg	Val	Ser	Asn	Gln	Asn	Arg	Phe	Cys	Arg
	210					215					220				
Leu	Glu	Thr	Gln	Arg	Arg	Leu	Cys	Leu	Ser	Arg	Pro	Cys	Pro	Pro	Ser
225					230					235					240

Arg Gly Arg Ser Pro Gln Asn Ser Ala Phe
245 250

<210> 1467
<211> 388
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (277)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1467
Met Met Thr Ile Thr Phe Leu Pro Tyr Thr Phe Ser Leu Met Val Thr
1 5 10 15
Phe Pro Asp Val Pro Leu Gly Ile Phe Leu Phe Cys Val Cys Val Ile
20 25 30
Ala Ile Gly Val Val Gln Ala Leu Ile Val Gly Tyr Ala Phe His Phe
35 40 45
Pro His Leu Leu Ser Pro Gln Ile Gln Arg Ser Ala His Arg Ala Leu
50 55 60
Tyr Arg Arg His Val Leu Gly Ile Val Leu Gln Gly Pro Ala Leu Cys
65 70 75 80
Phe Ala Ala Ala Ile Phe Ser Leu Phe Phe Val Pro Leu Ser Tyr Leu
85 90 95
Leu Met Val Thr Val Ile Leu Leu Pro Tyr Val Ser Lys Val Thr Gly
100 105 110
Trp Cys Arg Asp Arg Leu Leu Gly His Arg Glu Pro Ser Ala His Pro
115 120 125
Val Glu Val Phe Ser Phe Asp Leu His Glu Pro Leu Ser Lys Glu Arg
130 135 140
Val Glu Ala Phe Ser Asp Gly Val Tyr Ala Ile Val Ala Thr Leu Leu
145 150 155 160
Ile Leu Asp Ile Cys Glu Asp Asn Val Pro Asp Pro Lys Asp Val Lys
165 170 175
Glu Arg Phe Ser Gly Ser Leu Val Ala Ala Leu Ser Ala Thr Gly Pro
180 185 190
Arg Phe Leu Ala Tyr Phe Gly Ser Phe Ala Thr Val Gly Leu Leu Trp
195 200 205
Phe Ala His His Ser Leu Phe Leu His Val Arg Lys Ala Thr Arg Ala

210	215	220
Met Gly Leu Leu Asn Thr	Leu Ser Leu Ala Phe Val Gly Gly Leu Pro	
225	230	235 240
Leu Ala Tyr Gln Gln Thr	Ser Ala Phe Ala Arg Gln Pro Arg Asp Glu	
	245	250 255
Leu Glu Arg Val Arg Val	Ser Cys Thr Ile Ile Phe Leu Ala Ser Ile	
	260	265 270
Phe Gln Leu Ala Xaa Trp	Thr Thr Ala Leu Leu His Gln Ala Glu Thr	
	275	280 285
Leu Gln Pro Ser Val Trp	Phe Gly Gly Arg Glu His Val Leu Met Phe	
	290	295 300
Ala Lys Leu Ala Leu Tyr	Pro Cys Ala Ser Leu Leu Ala Phe Ala Ser	
305	310	315 320
Thr Cys Leu Leu Ser Arg	Phe Ser Val Gly Ile Phe His Leu Met Gln	
	325	330 335
Ile Ala Val Pro Cys Ala	Phe Leu Leu Leu Arg Leu Leu Val Gly Leu	
	340	345 350
Ala Leu Ala Thr Leu Arg	Val Leu Arg Gly Leu Ala Arg Pro Glu His	
	355	360 365
Pro Pro Pro Ala Pro Thr	Gly Gln Asp Asp Pro Gln Ser Gln Leu Leu	
	370	375 380
Pro Ala Pro Cys		
385		

<210> 1468
 <211> 388
 <212> PRT
 <213> Homo sapiens

<400> 1468
Met Met Thr Ile Thr Phe Leu Pro Tyr Thr Phe Ser Leu Met Val Thr
1 5 10 15
Phe Pro Asp Val Pro Leu Gly Ile Phe Leu Phe Cys Val Cys Val Ile
20 25 30
Ala Ile Gly Val Val Gln Ala Leu Ile Val Gly Tyr Ala Phe His Phe
35 40 45
Pro His Leu Leu Ser Pro Gln Ile Gln Arg Ser Ala His Arg Ala Leu
50 55 60
Tyr Arg Arg His Val Leu Gly Ile Val Leu Gln Gly Pro Ala Leu Cys
65 70 75 80

Phe	Ala	Ala	Ala	Ile	Phe	Ser	Leu	Phe	Phe	Val	Pro	Leu	Ser	Tyr	Leu	85	90	95	
Leu	Met	Val	Thr	Val	Ile	Leu	Leu	Pro	Tyr	Val	Ser	Lys	Val	Thr	Gly	100	105	110	
Trp	Cys	Arg	Asp	Arg	Leu	Leu	Gly	His	Arg	Glu	Pro	Ser	Ala	His	Pro	115	120	125	
Val	Glu	Val	Phe	Ser	Phe	Asp	Leu	His	Glu	Pro	Leu	Ser	Lys	Glu	Arg	130	135	140	
Val	Glu	Ala	Phe	Ser	Asp	Gly	Val	Tyr	Ala	Ile	Val	Ala	Thr	Leu	Leu	145	150	155	160
Ile	Leu	Asp	Ile	Cys	Glu	Asp	Asn	Val	Pro	Asp	Pro	Lys	Asp	Val	Lys	165	170	175	
Glu	Arg	Phe	Ser	Gly	Ser	Leu	Val	Ala	Ala	Leu	Ser	Ala	Thr	Gly	Pro	180	185	190	
Arg	Phe	Leu	Ala	Tyr	Phe	Gly	Ser	Phe	Ala	Thr	Val	Gly	Leu	Leu	Trp	195	200	205	
Phe	Ala	His	His	Ser	Leu	Phe	Leu	His	Val	Arg	Lys	Ala	Thr	Arg	Ala	210	215	220	
Met	Gly	Leu	Leu	Asn	Thr	Leu	Ser	Leu	Ala	Phe	Val	Gly	Gly	Leu	Pro	225	230	235	240
Leu	Ala	Tyr	Gln	Gln	Thr	Ser	Ala	Phe	Ala	Arg	Gln	Pro	Arg	Asp	Glu	245	250	255	
Leu	Glu	Arg	Val	Arg	Val	Ser	Cys	Thr	Ile	Ile	Phe	Leu	Ala	Ser	Ile	260	265	270	
Phe	Gln	Leu	Ala	Met	Trp	Thr	Thr	Ala	Leu	Leu	His	Gln	Ala	Glu	Thr	275	280	285	
Leu	Gln	Pro	Ser	Val	Trp	Phe	Gly	Gly	Arg	Glu	His	Val	Leu	Met	Phe	290	295	300	
Ala	Lys	Leu	Ala	Leu	Tyr	Pro	Cys	Ala	Ser	Leu	Leu	Ala	Phe	Ala	Ser	305	310	315	320
Thr	Cys	Leu	Leu	Ser	Arg	Phe	Ser	Val	Gly	Ile	Phe	His	Leu	Met	Gln	325	330	335	
Ile	Ala	Val	Pro	Cys	Ala	Phe	Leu	Leu	Leu	Arg	Leu	Leu	Val	Gly	Leu	340	345	350	
Ala	Leu	Ala	Thr	Leu	Arg	Val	Leu	Arg	Gly	Leu	Ala	Arg	Pro	Glu	His	355	360	365	
Pro	Pro	Pro	Ala	Pro	Thr	Gly	Gln	Asp	Asp	Pro	Gln	Ser	Gln	Leu	Leu	370	375	380	

Pro Ala Pro Cys
385

<210> 1469
<211> 262
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (231)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1469
Met Ser Pro Pro Pro Leu Leu Gln Pro Leu Leu Leu Leu Leu Pro Leu
1 5 10 15
Leu Asn Val Glu Pro Ser Gly Ala Thr Leu Ile Arg Ile Pro Leu His
20 25 30
Arg Val Gln Pro Gly Arg Arg Ile Leu Asn Leu Leu Arg Gly Trp Arg
35 40 45
Glu Pro Ala Glu Leu Pro Lys Leu Gly Ala Pro Ser Pro Gly Asp Lys
50 55 60
Pro Ile Phe Val Pro Leu Ser Asn Tyr Arg Asp Val Gln Tyr Phe Gly
65 70 75 80
Glu Ile Gly Leu Gly Thr Pro Pro Gln Asn Phe Thr Val Ala Phe Asp
85 90 95
Thr Gly Ser Ser Asn Leu Trp Val Pro Ser Arg Arg Cys His Phe Phe
100 105 110
Ser Val Pro Cys Trp Leu His His Arg Phe Asp Pro Lys Ala Ser Ser
115 120 125
Ser Phe Gln Ala Asn Gly Thr Lys Phe Ala Ile Gln Tyr Gly Thr Gly
130 135 140
Arg Val Asp Gly Ile Leu Ser Glu Asp Lys Leu Thr Ile Gly Gly Ile
145 150 155 160
Lys Gly Ala Ser Val Ile Phe Gly Glu Ala Leu Trp Glu Pro Ser Leu
165 170 175
Val Phe Ala Phe Ala His Phe Asp Gly Ile Leu Gly Leu Gly Phe Pro
180 185 190
Ile Leu Ser Val Glu Gly Val Arg Pro Pro Met Asp Val Leu Val Glu
195 200 205
Gln Gly Leu Leu Asp Lys Pro Val Phe Ser Phe Tyr Leu Asn Arg Asp

210		215		220
Pro Glu Glu Pro Asp Gly Xaa Glu Leu Val Leu Gly Gly Ser Asp Pro				
225		230		240
Ala His Tyr Ile Pro Pro Ser Pro Phe Val Pro Val Arg Ser Pro Pro				
	245		250	255
Met Ala Asp Pro Gln Gly				
	260			

<210> 1470
 <211> 145
 <212> PRT
 <213> Homo sapiens

<400> 1470																
Met Ser Pro Pro Pro Leu Leu Gln Pro Leu Leu Leu Leu Leu Pro Leu																
1				5				10						15		
Leu Asn Val Glu Pro Ser Gly Ala Thr Leu Ile Arg Ile Pro Leu His																
			20				25						30			
Arg Val Gln Pro Gly Arg Arg Ile Leu Asn Leu Leu Arg Gly Trp Arg																
			35				40					45				
Glu Pro Ala Glu Leu Pro Lys Leu Gly Ala Pro Ser Pro Gly Asp Lys																
			50			55				60						
Pro Ile Phe Val Pro Leu Ser Asn Tyr Arg Asp Val Gln Tyr Phe Gly																
65					70				75						80	
Glu Ile Gly Leu Gly Thr Pro Pro Gln Asn Phe Thr Val Ala Phe Asp																
			85				90							95		
Thr Gly Ser Ser Asn Leu Trp Val Pro Ser Arg Arg Cys His Phe Phe																
			100				105						110			
Ser Val Pro Cys Trp Leu His His Arg Phe Asp Pro Lys Ala Ser Ser																
			115			120					125					
Ser Phe Arg Pro Met Gly Pro Ser Leu Pro Phe Asn Met Glu Leu Gly																
			130			135				140						

Gly
 145

<210> 1471
 <211> 212
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1471

Gly Ser Ala Gly Thr Ala Arg Ile Xaa Gly Ser Thr Thr Arg Pro Asp
1 5 10 15

Pro Glu Glu Pro Asp Gly Gly Glu Leu Val Leu Gly Gly Ser Asp Pro
20 25 30

Ala His Tyr Ile Pro Pro Leu Thr Phe Val Pro Val Thr Val Pro Ala
35 40 45

Tyr Trp Gln Ile His Met Glu Arg Val Lys Val Gly Pro Gly Leu Thr
50 55 60

Leu Cys Ala Lys Gly Cys Ala Ala Ile Leu Asp Thr Gly Thr Ser Leu
65 70 75 80

Ile Thr Gly Pro Thr Glu Glu Ile Arg Ala Leu His Ala Ala Ile Gly
85 90 95

Gly Ile Pro Leu Leu Ala Gly Glu Tyr Ile Ile Leu Cys Ser Glu Ile
100 105 110

Pro Lys Leu Pro Ala Val Ser Phe Leu Leu Gly Gly Val Trp Phe Asn
115 120 125

Leu Thr Ala His Asp Tyr Val Ile Gln Thr Thr Arg Asn Gly Val Arg
130 135 140

Leu Cys Leu Ser Gly Phe Gln Ala Leu Asp Val Pro Pro Pro Ala Gly
145 150 155 160

Pro Phe Trp Ile Leu Gly Asp Val Phe Leu Gly Thr Tyr Val Ala Val
165 170 175

Phe Asp Arg Gly Asp Met Lys Ser Ser Ala Arg Val Gly Leu Ala Arg
180 185 190

Ala Arg Thr Arg Gly Ala Asp Leu Gly Trp Gly Glu Thr Ala Gln Ala
195 200 205

Gln Phe Pro Gly
210

<210> 1472

<211> 150

<212> PRT

<213> Homo sapiens

<400> 1472

Met Val Met Ile Leu Phe Val Ala Phe Ile Thr Cys Trp Glu Glu Val
1 5 10 15

Thr	Thr	Leu	Val	Gln	Ala	Ile	Arg	Ile	Thr	Ser	Tyr	Met	Asn	Glu	Thr
			20					25					30		
Ile	Leu	Tyr	Phe	Pro	Phe	Ser	Ser	His	Ser	Ser	Tyr	Thr	Val	Arg	Ser
		35					40					45			
Lys	Lys	Ile	Phe	Leu	Ser	Lys	Leu	Ile	Val	Cys	Phe	Leu	Ser	Thr	Trp
	50					55					60				
Leu	Pro	Phe	Val	Leu	Leu	Gln	Val	Ile	Ile	Val	Leu	Leu	Lys	Val	Gln
65					70					75					80
Ile	Pro	Ala	Tyr	Ile	Glu	Met	Asn	Ile	Pro	Trp	Leu	Tyr	Phe	Val	Asn
				85					90					95	
Ser	Phe	Leu	Ile	Ala	Thr	Val	Tyr	Trp	Phe	Asn	Cys	His	Lys	Leu	Asn
			100					105					110		
Leu	Lys	Asp	Ile	Gly	Leu	Pro	Leu	Asp	Pro	Phe	Val	Asn	Trp	Lys	Cys
		115					120					125			
Cys	Phe	Ile	Pro	Leu	Thr	Ile	Pro	Asn	Leu	Glu	Gln	Ile	Glu	Lys	Pro
	130					135					140				
Ile	Ser	Ile	Met	Ile	Cys										
145					150										

<210> 1473
 <211> 150
 <212> PRT
 <213> Homo sapiens

<400> 1473

Met	Val	Met	Ile	Leu	Phe	Val	Ala	Phe	Ile	Thr	Cys	Trp	Glu	Glu	Val
1				5					10					15	
Thr	Thr	Leu	Val	Gln	Ala	Ile	Arg	Ile	Thr	Ser	Tyr	Met	Asn	Glu	Thr
			20					25					30		
Ile	Leu	Tyr	Phe	Pro	Phe	Ser	Ser	His	Ser	Ser	Tyr	Thr	Val	Arg	Ser
		35					40					45			
Lys	Lys	Ile	Phe	Leu	Ser	Lys	Leu	Ile	Val	Cys	Phe	Leu	Ser	Thr	Trp
	50					55					60				
Leu	Pro	Phe	Val	Leu	Leu	Gln	Val	Ile	Ile	Val	Leu	Leu	Lys	Val	Gln
65					70					75					80
Ile	Pro	Ala	Tyr	Ile	Glu	Met	Asn	Ile	Pro	Trp	Leu	Tyr	Phe	Val	Asn
				85					90					95	
Ser	Phe	Leu	Ile	Ala	Thr	Val	Tyr	Trp	Phe	Asn	Cys	His	Lys	Leu	Asn
			100					105					110		

Leu Lys Asp Ile Gly Leu Pro Leu Asp Pro Phe Val Asn Trp Lys Cys
115 120 125

Cys Phe Ile Pro Leu Thr Ile Pro Asn Leu Glu Gln Ile Glu Lys Pro
130 135 140

Ile Ser Ile Met Ile Cys
145 150

<210> 1474
<211> 353
<212> PRT
<213> Homo sapiens

<400> 1474
Met Arg Tyr Leu Leu Pro Ser Val Val Leu Leu Gly Thr Ala Pro Thr
1 5 10 15

Tyr Val Leu Ala Trp Gly Val Trp Arg Leu Leu Ser Ala Phe Leu Pro
20 25 30

Ala Arg Phe Tyr Gln Ala Leu Asp Asp Arg Leu Tyr Cys Val Tyr Gln
35 40 45

Ser Met Val Leu Phe Phe Phe Glu Asn Tyr Thr Gly Val Gln Ile Leu
50 55 60

Leu Tyr Gly Asp Leu Pro Lys Asn Lys Glu Asn Ile Ile Tyr Leu Ala
65 70 75 80

Asn His Gln Ser Thr Val Asp Trp Ile Val Ala Asp Ile Leu Ala Ile
85 90 95

Arg Gln Asn Ala Leu Gly His Val Arg Tyr Val Leu Lys Glu Gly Leu
100 105 110

Lys Trp Leu Pro Leu Tyr Gly Cys Tyr Phe Ala Gln His Gly Gly Ile
115 120 125

Tyr Val Lys Arg Ser Ala Lys Phe Asn Glu Lys Glu Met Arg Asn Lys
130 135 140

Leu Gln Ser Tyr Val Asp Ala Gly Thr Pro Met Tyr Leu Val Ile Phe
145 150 155 160

Pro Glu Gly Thr Arg Tyr Asn Pro Glu Gln Thr Lys Val Leu Ser Ala
165 170 175

Ser Gln Ala Phe Ala Ala Gln Arg Gly Leu Ala Val Leu Lys His Val
180 185 190

Leu Thr Pro Arg Ile Lys Ala Thr His Val Ala Phe Asp Cys Met Lys
195 200 205

Asn Tyr Leu Asp Ala Ile Tyr Asp Val Thr Val Val Tyr Glu Gly Lys

210	215	220
Asp 225	Asp 230	Gly 235
Gly 235	Gln 240	Arg 245
Arg 245	Arg 250	Glu 255
Ser 260	Pro 265	Thr 270
Met 275	Thr 280	Glu 285
Phe 290	Leu 295	Asp 300
Lys 305	Arg 310	Arg 315
Trp 320	Leu 325	His 330
Glu 335	Asp 340	Lys 345
Pro 350		

Ala

<210> 1475
 <211> 353
 <212> PRT
 <213> Homo sapiens

<400> 1475

Met 1	Arg 5	Tyr 10	Leu 15	Leu 20	Pro 25	Ser 30	Val 35	Val 40	Leu 45	Leu 50	Gly 55	Thr 60	Ala 65	Pro 70	Thr 75
Tyr 80	Val 85	Leu 90	Ala 95	Trp 100	Gly 105	Val 110	Trp 115	Arg 120	Leu 125	Leu 130	Ser 135	Ala 140	Phe 145	Leu 150	Pro 155
Ala 160	Arg 165	Phe 170	Tyr 175	Gln 180	Ala 185	Leu 190	Asp 195	Asp 200	Arg 205	Leu 210	Tyr 215	Cys 220	Val 225	Tyr 230	Gln 235
Ser 240	Met 245	Val 250	Leu 255	Phe 260	Phe 265	Glu 270	Asn 275	Tyr 280	Thr 285	Gly 290	Val 295	Gln 300	Ile 305	Leu 310	
Leu 315	Tyr 320	Gly 325	Asp 330	Leu 335	Pro 340	Lys 345	Asn 350	Lys 355	Glu 360	Asn 365	Ile 370	Ile 375	Tyr 380	Leu 385	Ala 390
Asn 395	His 400	Gln 405	Ser 410	Thr 415	Val 420	Asp 425	Trp 430	Ile 435	Val 440	Ala 445	Asp 450	Ile 455	Leu 460	Ala 465	Ile 470
Arg 475	Gln 480	Asn 485	Ala 490	Leu 495	Gly 500	His 505	Val 510	Arg 515	Tyr 520	Val 525	Leu 530	Lys 535	Glu 540	Gly 545	Leu 550

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1476

Met	Thr	His	Cys	Leu	Leu	His	Gly	Met	Gly	Xaa	Ala	Gly	Ala	Ala	Ser
1				5				10						15	
Leu	Thr	Pro	Lys	Pro	Met	Ser	Leu	Ile	Ser	Ala	Tyr	Cys	Gly	Gly	Leu
			20					25					30		
Trp	Leu	Ala	Ala	Val	Ala	Val	Met	Val	Gln	Met	Ala	Ala	Leu	Cys	Gly
		35					40					45			
Ala	Gln	Asp	Ile	Gln	Asp	Lys	Phe	Ser	Ser	Ile	Leu	Ser	Arg	Gly	Gln
	50					55					60				
Glu	Ala	Tyr	Glu	Arg	Leu	Leu	Trp	Asn	Gly	Glu	Phe	Gly	Glu	Pro	Lys
65					70					75					80

<210> 1477

<211> 415

<212> PRT

<213> Homo sapiens

<400> 1477

Val	Gly	Leu	Val	Ser	Met	Leu	Gly	Ile	Pro	Ile	Pro	Gly	Ala	Glu	Gly
1				5				10						15	
Ala	Pro	Val	Leu	Asn	Ser	Leu	Val	Phe	Leu	Ser	Gly	Gln	Ser	Thr	Pro
			20					25					30		
Thr	Gln	Lys	Gly	Val	Gly	Ile	Ala	Gly	Ala	Val	Cys	Val	Ser	Ser	Lys
		35					40					45			
Leu	Arg	Pro	Arg	Gly	Gln	Cys	Arg	Leu	Glu	Phe	Ser	Leu	Ala	Trp	Asp
	50					55					60				
Met	Pro	Arg	Ile	Met	Phe	Gly	Ala	Lys	Gly	Gln	Val	His	Tyr	Arg	Arg
65					70					75					80
Tyr	Thr	Arg	Phe	Phe	Gly	Gln	Asp	Gly	Asp	Ala	Ala	Pro	Ala	Leu	Ser
			85						90					95	
His	Tyr	Ala	Leu	Cys	Arg	Tyr	Ala	Glu	Trp	Glu	Glu	Arg	Ile	Ser	Ala
		100						105					110		
Trp	Gln	Ser	Pro	Val	Leu	Asp	Asp	Arg	Ser	Leu	Pro	Ala	Trp	Tyr	Lys
		115					120					125			
Ser	Ala	Leu	Phe	Asn	Glu	Leu	Tyr	Phe	Leu	Ala	Asp	Gly	Gly	Thr	Val
	130					135					140				

Trp	Leu	Glu	Val	Leu	Glu	Asp	Ser	Leu	Pro	Glu	Glu	Leu	Gly	Arg	Asn				
145					150					155					160				
Met	Cys	His	Leu	Arg	Pro	Thr	Leu	Arg	Asp	Tyr	Gly	Arg	Phe	Gly	Tyr				
				165					170					175					
Leu	Glu	Gly	Gln	Glu	Tyr	Arg	Met	Tyr	Asn	Thr	Tyr	Asp	Val	His	Phe				
			180					185					190						
Tyr	Ala	Ser	Phe	Ala	Leu	Ile	Met	Leu	Trp	Pro	Lys	Leu	Glu	Leu	Ser				
		195					200					205							
Leu	Gln	Tyr	Asp	Met	Ala	Leu	Ala	Thr	Leu	Arg	Glu	Asp	Leu	Thr	Arg				
	210					215					220								
Arg	Arg	Tyr	Leu	Met	Ser	Gly	Val	Met	Ala	Pro	Val	Lys	Arg	Arg	Asn				
225					230					235					240				
Val	Ile	Pro	His	Asp	Ile	Gly	Asp	Pro	Asp	Asp	Glu	Pro	Trp	Leu	Arg				
				245					250					255					
Val	Asn	Ala	Tyr	Leu	Ile	His	Asp	Thr	Ala	Asp	Trp	Lys	Asp	Leu	Asn				
			260					265					270						
Leu	Lys	Phe	Val	Leu	Gln	Val	Tyr	Arg	Asp	Tyr	Tyr	Leu	Thr	Gly	Asp				
		275					280					285							
Gln	Asn	Phe	Leu	Lys	Asp	Met	Trp	Pro	Val	Cys	Leu	Ala	Val	Met	Glu				
	290					295					300								
Ser	Glu	Met	Lys	Phe	Asp	Lys	Asp	His	Asp	Gly	Leu	Ile	Glu	Asn	Gly				
305					310					315				320					
Gly	Tyr	Ala	Asp	Gln	Thr	Tyr	Asp	Gly	Trp	Val	Thr	Thr	Gly	Pro	Ser				
				325					330					335					
Ala	Tyr	Cys	Gly	Gly	Leu	Trp	Leu	Ala	Ala	Val	Ala	Val	Met	Val	Gln				
			340					345					350						
Met	Ala	Ala	Leu	Cys	Gly	Ala	Gln	Asp	Ile	Gln	Asp	Lys	Phe	Ser	Ser				
		355					360					365							
Ile	Leu	Ser	Arg	Gly	Gln	Glu	Ala	Tyr	Glu	Arg	Leu	Leu	Trp	Asn	Gly				
	370					375					380								
Arg	Tyr	Tyr	Asn	Tyr	Asp	Ser	Ser	Ser	Arg	Pro	Gln	Ser	Arg	Ser	Val				
385					390					395					400				
Met	Ser	Asp	Gln	Cys	Ala	Gly	Gln	Trp	Phe	Leu	Lys	Ala	Cys	Gly					
				405					410					415					

<210> 1478

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1478

Met	Ser	Leu	Gly	Gly	Ser	Gln	Ser	Ser	Leu	Val	Ser	Trp	Arg	Ala	Thr
1				5					10					15	

Gln	Ile	Ala	Cys	Met	Thr	Leu	Ser	Trp	Pro	Leu	Trp	Thr	Cys	Trp	Leu
			20					25					30		

Ala	Ala	Pro	Leu	Ser	Leu	Thr	Lys	Ser	Pro	Trp	Arg	Gln	Trp	Ser	Thr
		35					40					45			

His	Val	Lys	Gly	Phe	Asn	Leu	Ala	Ser	Ser	Gln	Ala	Glu	Val	Gln	Pro
	50					55					60				

Val	Gly	Gln	Thr	Leu	Ala	Ser	Glu	Lys	Lys	Xaa	Leu	Gln	Glu	Val	Leu
65					70					75					80

Ala	Arg	Ala	Ile	Gln	His
				85	

<210> 1479

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1479

Met	His	Arg	Leu	Ile	Phe	Val	Tyr	Thr	Leu	Ile	Cys	Ala	Asn	Phe	Cys
1				5					10					15	

Ser	Cys	Arg	Asp	Thr	Ser	Ala	Thr	Pro	Gln	Ser	Ala	Ser	Ile	Lys	Ala
			20					25					30		

Leu	Arg	Asn	Ala	Asn	Leu	Arg	Arg	Asp	Glu	Ser	Asn	His	Leu	Thr	Asp
		35					40					45			

Leu	Tyr	Arg	Arg	Asp	Glu	Thr	Ile	Gln	Val	Lys	Gly	Asn	Gly	Tyr	Val
	50					55					60				

Gln	Ser	Pro	Arg	Phe	Pro	Asn	Ser	Tyr	Pro	Arg	Asn	Leu	Leu	Leu	Thr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

65		70		75		80									
Trp	Arg	Leu	His	Ser	Gln	Glu	Asn	Thr	Arg	Ile	Gln	Leu	Val	Val	Asp
				85					90					95	
Asn	Gln	Phe	Gly	Leu	Glu	Glu	Ala	Glu	Asn	Asp	Ile	Cys	Arg	Tyr	Asp
			100					105					110		
Phe	Val	Glu	Val	Glu	Asp	Ile	Ser	Glu	Thr	Ser	Thr	Ile	Ile	Arg	Gly
		115					120					125			
Arg	Trp	Cys	Gly	His	Lys	Glu	Val	Pro	Pro	Arg	Ile	Lys	Ser	Arg	Thr
	130					135					140				
Asn	His	Ile	Lys	Ile	Thr	Phe	Lys	Xaa	Asp	Asp	Tyr	Phe	Xaa	Ala	
145					150				155						

<210> 1480
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1480
Leu Ile Ile Lys Lys Gly Lys Ile Trp Phe Pro Glu Lys Arg Pro Ile
1 5 10 15
Pro Lys His Phe Phe His Glu Lys His Cys Ile Leu Thr Tyr Val Asp
20 25 30
Xaa Asn Asn Leu Ser Pro Lys Pro Cys His Asn Asn Ile Ser Ala Leu
35 40 45
Glu Ile Lys Ser Leu Cys Phe Leu Cys Ile Leu Leu Arg His Xaa Tyr
50 55 60
Ser Phe Asn Thr Tyr Leu Lys Asn Leu Leu Arg Arg Phe Phe Ile Ile
65 70 75 80
Val Leu Gln Lys Thr Met Tyr Lys Leu
85

<210> 1481
 <211> 370

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (216)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1481

Met	His	Arg	Leu	Ile	Phe	Val	Tyr	Thr	Leu	Ile	Cys	Ala	Asn	Phe	Cys
1				5					10					15	

Ser	Cys	Arg	Asp	Thr	Ser	Ala	Thr	Pro	Gln	Ser	Ala	Ser	Ile	Lys	Ala
			20					25					30		

Leu	Arg	Asn	Ala	Asn	Leu	Arg	Arg	Asp	Glu	Ser	Asn	His	Leu	Thr	Asp
		35					40					45			

Leu	Tyr	Arg	Arg	Asp	Glu	Thr	Ile	Gln	Val	Lys	Gly	Asn	Gly	Tyr	Val
	50					55					60				

Gln	Ser	Pro	Arg	Phe	Pro	Asn	Ser	Tyr	Pro	Arg	Asn	Leu	Leu	Leu	Thr
65					70					75					80

Trp	Arg	Leu	His	Ser	Gln	Glu	Asn	Thr	Arg	Ile	Gln	Leu	Val	Phe	Asp
				85					90					95	

Asn	Gln	Phe	Gly	Leu	Glu	Glu	Ala	Glu	Asn	Asp	Ile	Cys	Arg	Tyr	Asp
			100					105					110		

Phe	Val	Glu	Val	Glu	Asp	Ile	Ser	Glu	Thr	Ser	Thr	Ile	Ile	Arg	Gly
		115					120					125			

Arg	Trp	Cys	Gly	His	Lys	Glu	Val	Pro	Pro	Arg	Ile	Lys	Ser	Arg	Thr
	130					135					140				

Asn	Gln	Ile	Lys	Ile	Thr	Phe	Lys	Ser	Asp	Asp	Tyr	Phe	Val	Ala	Lys
145					150					155					160

Pro	Gly	Phe	Lys	Ile	Tyr	Tyr	Ser	Leu	Leu	Glu	Asp	Phe	Gln	Pro	Ala
				165					170					175	

Ala	Ala	Ser	Glu	Thr	Asn	Trp	Glu	Ser	Val	Thr	Ser	Ser	Ile	Ser	Gly
			180					185					190		

Val	Ser	Tyr	Asn	Ser	Pro	Ser	Val	Thr	Asp	Pro	Thr	Leu	Ile	Ala	Asp
		195					200					205			

Ala	Leu	Asp	Lys	Lys	Ile	Ala	Xaa	Phe	Asp	Thr	Val	Glu	Asp	Leu	Leu
	210					215					220				

Lys	Tyr	Phe	Asn	Pro	Glu	Ser	Trp	Gln	Glu	Asp	Leu	Glu	Asn	Met	Tyr
225					230					235					240

Leu	Asp	Thr	Pro	Arg	Tyr	Arg	Gly	Arg	Ser	Tyr	His	Asp	Arg	Lys	Ser
				245					250					255	

Lys Val Asp Leu Asp Arg Leu Asn Asp Asp Ala Lys Arg Tyr Ser Cys
 260 265 270
 Thr Pro Arg Asn Tyr Ser Val Asn Ile Arg Glu Glu Leu Lys Leu Ala
 275 280 285
 Asn Val Val Phe Phe Pro Arg Cys Leu Leu Val Gln Arg Cys Gly Gly
 290 295 300
 Asn Cys Gly Cys Gly Thr Val Asn Trp Arg Ser Cys Thr Cys Asn Ser
 305 310 315 320
 Gly Lys Thr Val Lys Lys Tyr His Glu Val Leu Gln Phe Glu Pro Gly
 325 330 335
 His Ile Lys Arg Arg Gly Arg Ala Lys Thr Met Ala Leu Val Asp Ile
 340 345 350
 Gln Leu Asp His His Glu Arg Cys Asp Cys Ile Cys Ser Ser Arg Pro
 355 360 365
 Pro Arg
 370

<210> 1482
 <211> 370
 <212> PRT
 <213> Homo sapiens

<400> 1482

Met His Arg Leu Ile Phe Val Tyr Thr Leu Ile Cys Ala Asn Phe Cys
 1 5 10 15
 Ser Cys Arg Asp Thr Ser Ala Thr Pro Gln Ser Ala Ser Ile Lys Ala
 20 25 30
 Leu Arg Asn Ala Asn Leu Arg Arg Asp Glu Ser Asn His Leu Thr Asp
 35 40 45
 Leu Tyr Arg Arg Asp Glu Thr Ile Gln Val Lys Gly Asn Gly Tyr Val
 50 55 60
 Gln Ser Pro Arg Phe Pro Asn Ser Tyr Pro Arg Asn Leu Leu Leu Thr
 65 70 75 80
 Trp Arg Leu His Ser Gln Glu Asn Thr Arg Ile Gln Leu Val Phe Asp
 85 90 95
 Asn Gln Phe Gly Leu Glu Glu Ala Glu Asn Asp Ile Cys Arg Tyr Asp
 100 105 110
 Phe Val Glu Val Glu Asp Ile Ser Glu Thr Ser Thr Ile Ile Arg Gly
 115 120 125
 Arg Trp Cys Gly His Lys Glu Val Pro Pro Arg Ile Lys Ser Arg Thr

130	135	140
Asn Gln Ile Lys Ile Thr Phe Lys Ser Asp Asp Tyr Phe Val Ala Lys		
145	150	155 160
Pro Gly Phe Lys Ile Tyr Tyr Ser Leu Leu Glu Asp Phe Gln Pro Ala		
	165	170 175
Ala Ala Ser Glu Thr Asn Trp Glu Ser Val Thr Ser Ser Ile Ser Gly		
	180	185 190
Val Ser Tyr Asn Ser Pro Ser Val Thr Asp Pro Thr Leu Ile Ala Asp		
	195	200 205
Ala Leu Asp Lys Lys Ile Ala Glu Phe Asp Thr Val Glu Asp Leu Leu		
	210	215 220
Lys Tyr Phe Asn Pro Glu Ser Trp Gln Glu Asp Leu Glu Asn Met Tyr		
225	230	235 240
Leu Asp Thr Pro Arg Tyr Arg Gly Arg Ser Tyr His Asp Arg Lys Ser		
	245	250 255
Lys Val Asp Leu Asp Arg Leu Asn Asp Asp Ala Lys Arg Tyr Ser Cys		
	260	265 270
Thr Pro Arg Asn Tyr Ser Val Asn Ile Arg Glu Glu Leu Lys Leu Ala		
	275	280 285
Asn Val Val Phe Phe Pro Arg Cys Leu Leu Val Gln Arg Cys Gly Gly		
	290	295 300
Asn Cys Gly Cys Gly Thr Val Asn Trp Arg Ser Cys Thr Cys Asn Ser		
305	310	315 320
Gly Lys Thr Val Lys Lys Tyr His Glu Val Leu Gln Phe Glu Pro Gly		
	325	330 335
His Ile Lys Arg Arg Gly Arg Ala Lys Thr Met Ala Leu Val Asp Ile		
	340	345 350
Gln Leu Asp His His Glu Arg Cys Asp Cys Ile Cys Ser Ser Arg Pro		
	355	360 365
Pro Arg		
370		

<210> 1483
 <211> 229
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (206)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1483

Met	Tyr	Lys	Leu	Leu	Leu	Phe	Asp	Leu	Leu	Thr	Val	Leu	Ala	Val	Ala	
1				5					10					15		
Leu	Leu	Ile	Gln	Phe	Pro	Arg	Lys	Leu	Leu	Cys	Gly	Leu	Cys	Pro	Gly	
			20					25					30			
Ala	Leu	Gly	Arg	Leu	Ala	Gly	Thr	Gln	Glu	Phe	Gln	Val	Pro	Asp	Glu	
		35					40					45				
Val	Leu	Gly	Leu	Ile	Tyr	Ala	Gln	Thr	Val	Val	Trp	Val	Gly	Ser	Phe	
	50					55					60					
Phe	Cys	Pro	Leu	Leu	Pro	Leu	Leu	Asn	Thr	Val	Lys	Phe	Leu	Leu	Leu	
65					70					75					80	
Phe	Tyr	Leu	Lys	Lys	Leu	Thr	Leu	Phe	Ser	Thr	Cys	Ser	Pro	Ala	Ala	
				85					90					95		
Arg	Thr	Phe	Arg	Ala	Ser	Ala	Ala	Asn	Phe	Phe	Phe	Pro	Leu	Val	Leu	
			100					105					110			
Leu	Leu	Gly	Leu	Ala	Ile	Ser	Ser	Val	Pro	Leu	Leu	Tyr	Ser	Ile	Phe	
		115					120					125				
Leu	Ile	Pro	Pro	Ser	Lys	Leu	Cys	Gly	Pro	Phe	Arg	Gly	Gln	Ser	Ser	
	130					135					140					
Ile	Trp	Ala	Gln	Ile	Pro	Glu	Ser	Ile	Ser	Ser	Leu	Pro	Glu	Thr	Thr	
145					150					155					160	
Gln	Asn	Phe	Leu	Phe	Phe	Leu	Gly	Thr	Gln	Ala	Phe	Ala	Val	Pro	Leu	
				165					170					175		
Leu	Leu	Ile	Ser	Ser	Ile	Leu	Met	Ala	Tyr	Thr	Val	Ala	Leu	Ala	Asn	
			180					185					190			
Ser	Tyr	Gly	Arg	Leu	Ile	Ser	Glu	Leu	Lys	Arg	Gln	Arg	Xaa	Thr	Glu	
		195					200					205				
Ala	Gln	Asn	Lys	Val	Phe	Leu	Ala	Arg	Arg	Ala	Val	Ala	Leu	Thr	Ser	
	210					215					220					
Thr	Lys	Pro	Ala	Leu												
225																

<210> 1484

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1484

Phe	Leu	Gly	Thr	Gln	Ala	Phe	Ala	Val	Pro	Leu	Leu	Leu	Ile	Ser	Arg
1				5					10					15	

Ser	Gln	Thr	Phe	Gly	Tyr	Asn	Gly	Arg	Ala	Cys	Gln	Glu	Trp	Leu	Pro
			20					25					30		

Xaa	Leu	Ile	Ser	Ser	Ile	Leu	Met	Ala	Tyr	Thr	Val	Ala	Leu	Ala	Asn
		35					40					45			

Ser	Tyr	Gly	Arg	Leu	Ile	Ser	Glu	Leu	Lys	Arg	Gln	Arg	Xaa	Thr	Glu
	50					55					60				

Ala	Gln	Asn	Lys	Val	Phe	Leu	Ala	Arg	Arg	Ala	Val	Ala	Leu	Thr	Ser
65					70					75					80

Thr	Lys	Pro	Ala	Leu
				85

<210> 1485

<211> 229

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (206)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1485

Met	Tyr	Lys	Leu	Leu	Leu	Phe	Asp	Leu	Leu	Thr	Val	Leu	Ala	Val	Ala
1				5					10					15	

Leu	Leu	Ile	Gln	Phe	Pro	Arg	Lys	Leu	Leu	Cys	Gly	Leu	Cys	Pro	Gly
			20					25					30		

Ala	Leu	Gly	Arg	Leu	Ala	Gly	Thr	Gln	Glu	Phe	Gln	Val	Pro	Asp	Glu
		35					40					45			

Val	Leu	Gly	Leu	Ile	Tyr	Ala	Gln	Thr	Val	Val	Trp	Val	Gly	Ser	Phe
	50					55					60				

Phe	Cys	Pro	Leu	Leu	Pro	Leu	Leu	Asn	Thr	Val	Lys	Phe	Leu	Leu	Leu
65					70					75					80

Phe	Tyr	Leu	Lys	Lys	Leu	Thr	Leu	Phe	Ser	Thr	Cys	Ser	Pro	Ala	Ala
				85					90					95	

Arg	Thr	Phe	Arg	Ala	Ser	Ala	Ala	Asn	Phe	Phe	Phe	Pro	Leu	Val	Leu		
			100					105					110				
Leu	Leu	Gly	Leu	Ala	Ile	Ser	Ser	Val	Pro	Leu	Leu	Tyr	Ser	Ile	Phe		
		115					120					125					
Leu	Ile	Pro	Pro	Ser	Lys	Leu	Cys	Gly	Pro	Phe	Arg	Gly	Gln	Ser	Ser		
	130					135					140						
Ile	Trp	Ala	Gln	Ile	Pro	Glu	Ser	Ile	Ser	Ser	Leu	Pro	Glu	Thr	Thr		
145					150					155					160		
Gln	Asn	Phe	Leu	Phe	Phe	Leu	Gly	Thr	Gln	Ala	Phe	Ala	Val	Pro	Leu		
				165					170					175			
Leu	Leu	Ile	Ser	Ser	Ile	Leu	Met	Ala	Tyr	Thr	Val	Ala	Leu	Ala	Asn		
		180					185						190				
Ser	Tyr	Gly	Arg	Leu	Ile	Ser	Glu	Leu	Lys	Arg	Gln	Arg	Xaa	Thr	Glu		
		195					200					205					
Ala	Gln	Asn	Lys	Val	Phe	Leu	Ala	Arg	Arg	Ala	Val	Ala	Leu	Thr	Ser		
	210					215					220						
Thr	Lys	Pro	Ala	Leu													
225																	

<210> 1486
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 1486																	
Met	Ala	Thr	Phe	Ser	Leu	Cys	Tyr	Leu	Met	Ala	Phe	Pro	Leu	Cys	Ala		
1				5					10					15			
Gly	Ile	Ala	Gly	Ile	Ser	Val	Cys	Val	Lys	Ile	Ser	Cys	Phe	Tyr	Lys		
			20					25					30				
Asp	Ile	Ser	Gln	Thr	Gly	Leu	Arg	Pro	Thr	Leu	Lys	Ala	Tyr	Leu	Asn		
		35					40					45					
Phe	Asn	Leu	Leu	Phe	Ser	Gly	Pro	Ile	Ser	Lys	Tyr	Ser	Leu	Ile	Leu		
	50					55					60						
Arg	Tyr	Trp	Tyr	Leu	Gly	Leu	Gln	His	Thr	Asn	Phe	Gly	Val	Asp	Thr		
65					70					75					80		
Ile	Gln	Pro	Ile	Thr	Asn	Cys	Ala	His	Glu	Met	Ile	Tyr					
				85						90							

<210> 1487

<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1487
Ala Leu Pro Phe Thr Leu Asn Lys Thr Ser Asn Tyr Pro Gln Asp Leu
1 5 10 15
Val Leu Xaa Ser Leu Leu Leu Gly Xaa Asn Tyr Xaa Gln Leu Gln Ile
20 25 30
Leu Leu Glu Cys Ile Phe Pro Val Pro His Ser Leu Leu Tyr Val Val
35 40 45
Leu Pro Asn Ser Ile Asp Leu Xaa Gln Lys Leu Pro Arg Asp Leu Pro
50 55 60
His Leu Pro Cys Pro Xaa Phe Leu Trp Pro Arg Pro Gly Ser Pro Pro
65 70 75 80
Lys Cys Phe Leu Ser Leu Ser Leu Thr Ala Leu Pro Leu Ser Ser Cys
85 90 95
Arg Tyr Thr Leu Pro Pro Ser Pro His Pro Leu Met Pro Ser Pro Leu
100 105 110
Leu Pro Ser Trp Val Gln Pro Ser Cys Tyr Leu Ala
115 120

<210> 1488

<211> 59
<212> PRT
<213> Homo sapiens

<400> 1488
Met Ala Thr Phe Ser Leu Cys Tyr Leu Met Ala Phe Pro Leu Cys Ala
1 5 10 15
Gly Ile Ala Gly Ile Ser Val Cys Val Lys Ile Ser Cys Phe Tyr Lys
20 25 30
Asp Ile Ser Gln Thr Gly Leu Arg Pro Thr Leu Lys Ala Tyr Leu Asn
35 40 45
Phe Asn Leu Leu Phe Ser Gly Pro Ile Gln Ile
50 55

<210> 1489
<211> 314
<212> PRT
<213> Homo sapiens

<400> 1489
Gly Ser Gly Arg Gln Ala Gly Trp Pro Arg Gly Leu Leu Ser Gly Pro
1 5 10 15
Ala Pro Ser Glu Arg Ser Ala Val Ala Arg Leu Ala Pro Thr Glu Ser
20 25 30
Leu Ala Arg Met Glu Ala Val Val Asn Leu Tyr Gln Glu Val Met Lys
35 40 45
His Ala Asp Pro Arg Ile Gln Gly Tyr Pro Leu Met Gly Ser Pro Leu
50 55 60
Leu Met Thr Ser Ile Leu Leu Thr Tyr Val Tyr Phe Val Leu Ser Leu
65 70 75 80
Gly Pro Arg Ile Met Ala Asn Arg Lys Pro Phe Gln Leu Arg Gly Phe
85 90 95
Met Ile Val Tyr Asn Phe Ser Leu Val Ala Leu Ser Leu Tyr Ile Val
100 105 110
Tyr Glu Phe Leu Met Ser Gly Trp Leu Ser Thr Tyr Thr Trp Arg Cys
115 120 125
Asp Pro Val Asp Tyr Ser Asn Ser Pro Glu Ala Leu Arg Met Val Arg
130 135 140
Val Ala Trp Leu Phe Leu Phe Ser Lys Phe Ile Glu Leu Met Asp Thr
145 150 155 160
Val Ile Phe Ile Leu Arg Lys Lys Asp Gly Gln Val Thr Phe Leu His
165 170 175

Val	Phe	His	His	Ser	Val	Leu	Pro	Trp	Ser	Trp	Trp	Trp	Gly	Val	Lys
			180					185					190		
Ile	Ala	Pro	Gly	Gly	Met	Gly	Ser	Phe	His	Ala	Met	Ile	Asn	Ser	Ser
		195					200					205			
Val	His	Val	Ile	Met	Tyr	Leu	Tyr	Tyr	Gly	Leu	Ser	Ala	Phe	Gly	Pro
	210					215					220				
Val	Ala	Gln	Pro	Tyr	Leu	Trp	Trp	Lys	Lys	His	Met	Thr	Ala	Ile	Gln
225					230					235					240
Leu	Ile	Gln	Phe	Val	Leu	Val	Ser	Leu	His	Ile	Ser	Gln	Tyr	Tyr	Phe
				245					250					255	
Met	Ser	Ser	Cys	Asn	Tyr	Gln	Tyr	Pro	Val	Ile	Ile	His	Leu	Ile	Trp
			260					265					270		
Met	Tyr	Gly	Thr	Ile	Phe	Phe	Met	Leu	Phe	Ser	Asn	Phe	Trp	Tyr	His
		275					280					285			
Ser	Tyr	Thr	Lys	Gly	Lys	Arg	Leu	Pro	Arg	Ala	Leu	Gln	Gln	Asn	Gly
	290					295					300				
Ala	Pro	Gly	Ile	Ala	Lys	Val	Lys	Ala	Asn						
305					310										

<210> 1490
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 1490															
Met	Lys	His	Ala	Asp	Pro	Arg	Ile	Gln	Gly	Tyr	Pro	Leu	Met	Gly	Ser
1				5					10				15		
Pro	Leu	Leu	Met	Thr	Ser	Ile	Leu	Leu	Thr	Tyr	Val	Tyr	Phe	Val	Leu
			20					25					30		
Ser	Leu	Gly	Pro	Arg	Ile	Met	Ala	Asn	Arg	Lys	Pro	Phe	Gln	Leu	Arg
		35					40					45			
Gly	Phe	Met	Ile	Val	Tyr	Asn	Phe	Ser	Leu	Val	Ala	Leu	Ser	Leu	Tyr
	50					55					60				
Ile	Val	Tyr	Glu	Phe	Leu	Met	Ser	Gly	Trp	Leu	Ser	Thr	Tyr	Thr	Trp
65					70				75						80
Arg	Cys	Asp	Pro	Gln	Asp	Cys	Thr	Leu	Gly	Gln	Cys	Pro	Ser	Val	Pro
				85					90					95	
Ser	Pro	Pro	Thr	Pro	Val	Thr	Lys	Ala	Tyr	Val	Val	Arg	Thr	Glu	Gln
			100					105					110		

Gly	Thr	Gly	Pro	Pro	Leu	Pro	Thr	Ala	Ala	Leu	Gln	Gly	Pro	Arg	Leu
		115					120					125			
Trp	Phe	Leu	Thr	His	Phe	Pro	Arg	Ala	Ala	Pro	Gly	Met	Trp	Pro	His
	130					135					140				
Cys	Cys	Leu	Pro	Leu	Gln	Ser	Trp	Gly	Leu	Lys	Gly	Leu	Tyr	Ser	Tyr
145					150					155					160
Phe	Pro	Leu	Pro	Ala	Leu	Lys	Leu	Gly	Arg	Gly	Ala	Leu	Arg	Ala	Gly
				165					170					175	
Pro	Thr	Lys	Gly	Leu	Val	Ala	Phe	Phe	Leu	Thr	Gln	Lys	Arg	Ser	Ala
			180					185					190		
Ile	Met	Ser	Leu	Trp	Thr	Gln	Ser	His	Ser	Ser	Thr	Pro	His	Thr	Glu
		195					200					205			
Ala	Val	Ala	Ser	Gly	Pro	Lys	Val	Arg	Val	Gly	Gly	Gly	Leu	Gly	Ile
	210					215					220				
Gln	Pro	Val	Glu	Ala	Ala	Tyr	Ser	Thr	Cys	Val	Leu	Ile	Lys	Ser	Asp
225					230					235					240
Arg	Gly	Asn	Gln	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Leu	Glu	Asn	Tyr	Phe
				245					250					255	

Leu Lys

<210> 1491
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 1491

Met	Lys	His	Ala	Asp	Pro	Arg	Ile	Gln	Gly	Tyr	Pro	Leu	Met	Gly	Ser
1				5					10					15	
Pro	Leu	Leu	Met	Thr	Ser	Ile	Leu	Leu	Thr	Tyr	Val	Tyr	Phe	Val	Leu
			20					25					30		
Ser	Leu	Gly	Pro	Arg	Ile	Met	Ala	Asn	Arg	Lys	Pro	Phe	Gln	Leu	Arg
		35					40					45			
Gly	Phe	Met	Ile	Val	Tyr	Asn	Phe	Ser	Leu	Val	Ala	Leu	Ser	Leu	Tyr
	50					55					60				
Ile	Val	Tyr	Glu	Val	Ile	Phe	Ile	Leu	Arg	Lys	Lys	Asp	Gly	Gln	Val
65					70					75					80
Thr	Phe	Leu	His	Val	Phe	His	His	Ser	Val	Leu	Pro	Trp	Ser	Trp	Trp
			85						90					95	
Trp	Gly	Val	Lys	Ile	Ala	Pro	Gly	Gly	Met	Gly	Ser	Phe	His	Ala	Met

100						105						110					
Ile	Asn	Ser	Ser	Val	His	Val	Ile	Met	Tyr	Leu	Tyr	Tyr	Gly	Leu	Ser		
		115					120					125					
Ala	Phe	Gly	Pro	Val	Ala	Gln	Pro	Tyr	Leu	Trp	Trp	Lys	Lys	His	Met		
	130					135					140						
Thr	Ala	Ile	Gln	Leu	Ile	Gln	Phe	Val	Leu	Val	Ser	Leu	His	Ile	Ser		
145					150					155					160		
Gln	Tyr	Tyr	Phe	Met	Ser	Ser	Cys	Asn	Tyr	Gln	Tyr	Pro	Val	Ile	Ile		
				165					170					175			
His	Leu	Ile	Trp	Met	Tyr	Gly	Thr	Ile	Phe	Phe	Met	Leu	Phe	Ser	Asn		
			180					185					190				
Phe	Trp	Tyr	His	Ser	Tyr	Thr	Lys	Gly	Lys	Arg	Leu	Pro	Arg	Ala	Leu		
		195					200					205					
Gln	Gln	Asn	Gly	Ala	Pro	Gly	Ile	Ala	Lys	Val	Lys	Ala	Asn				
	210					215					220						

<210> 1492
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 1492															
Met	Tyr	Gly	Leu	Ser	Ile	Cys	Tyr	Leu	Lys	Cys	Leu	Gly	Pro	Glu	Val
1				5					10					15	
Phe	Trp	Thr	Phe	Phe	Leu	Phe	Trp	Asn	Thr	Ser	Ile	Cys	Ile	Leu	Pro
			20					25					30		
Val	Glu	His	Pro	Lys	Ser	Glu	Ile	Ser	Lys	Ile	Gln	Asn	Val	Pro	Val
		35					40					45			
Ser	Leu	Asn	Ser	Ser	Val	Asp	Gly	His	Leu	Ser	Tyr	Phe	Arg	Phe	Glu
	50					55					60				
Ala	Ile	Met	Arg	Glu	Ala	Ala	Val	His	Val	Phe	Val	Tyr	Val	Lys	Cys
65					70					75					80
Val	Phe	Thr	Cys	Gln	Ile	Leu	Lys	Asp	Leu	Thr	Asp	Phe			
				85					90						

<210> 1493
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 1493

Lys Leu Ser Asn Cys Asn Cys Phe Gln Leu Leu Ser Glu Val Gly Ile
 1 5 10 15
 Met Val Asp Leu Ile Ser Ser Val Leu Phe Leu Gln Leu Tyr Tyr Gln
 20 25 30
 Val Leu Asn Phe Gly Met Ile Val Ser Ser Ala Leu Met Ile Trp Lys
 35 40 45
 Gly Leu Met Val Ile Thr Gly Ser Glu Ser Pro Ile Val Val Val Leu
 50 55 60
 Arg
 65

<210> 1494
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 1494
 Met Tyr Gly Leu Ser Ile Cys Tyr Leu Lys Cys Leu Gly Pro Glu Val
 1 5 10 15
 Phe Trp Thr Phe Phe Leu Phe Trp Asn Thr Ser Ile Cys Ile Leu Pro
 20 25 30
 Val Glu His Pro Lys Ser Glu Ile Ser Lys Ile Gln Asn Val Pro Val
 35 40 45
 Ser Leu Asn Ser Ser Val Asp Gly His Leu Ser Tyr Phe Arg Phe Glu
 50 55 60
 Ala Ile Met Arg Glu Ala Ala Val His Val Phe Val Tyr Val Lys Cys
 65 70 75 80
 Val Phe Thr Cys Gln Ile Leu Lys Asp Leu Thr Asp Phe
 85 90

<210> 1495
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 1495
 Met Gly Lys Pro Ser Leu Leu Phe Phe Gly Leu Met Ala Ser Trp Arg
 1 5 10 15
 Thr Arg Ser Gln Ala Arg Arg Thr Trp Ser Thr Ser Ser Arg Met Pro
 20 25 30
 Gly Arg Asn Val Leu Leu Arg Ser Arg Lys Arg Arg Ser Gln Ile Ser
 35 40 45

Ser Ser Ile Ser Trp Ser Ile Ala Leu Gly Pro Val Met Pro Trp Pro
50 55 60

Gly Leu Ile Leu Phe Leu Lys Ile Ser Arg Ser Ser Thr Pro Thr Arg
65 70 75 80

Leu

<210> 1496
<211> 81
<212> PRT
<213> Homo sapiens

<400> 1496
Met Gly Lys Pro Ser Leu Leu Phe Phe Gly Leu Met Ala Ser Trp Arg
1 5 10 15

Thr Arg Ser Gln Ala Arg Arg Thr Trp Ser Thr Ser Ser Arg Met Pro
20 25 30

Gly Arg Asn Val Leu Leu Arg Ser Arg Lys Arg Arg Ser Gln Ile Ser
35 40 45

Ser Ser Ile Ser Trp Ser Ile Ala Leu Gly Pro Val Met Pro Trp Pro
50 55 60

Gly Leu Ile Leu Phe Leu Lys Ile Ser Arg Ser Ser Thr Pro Thr Arg
65 70 75 80

Leu

<210> 1497
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1497
Met Arg Leu Arg Phe Trp Leu Leu Ile Trp Leu Leu Leu Gly Phe Ile
1 5 10 15

Ser His Gln Pro Thr Pro Val Ile Asn Ser Leu Ala Val Tyr Arg His
20 25 30

Arg Glu Thr Asp Phe Gly Val Arg Val Arg Asp His Pro Trp Xaa
35 40 45

<210> 1498
<211> 394
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (194)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (200)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (210)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (225)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (237)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (389)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1498
Glu Val Ile Asn Thr Leu Ala Asp His Arg His Arg Gly Thr Asp Phe
1 5 10 15
Gly Gly Ser Pro Trp Leu Leu Ile Ile Thr Val Phe Leu Arg Ser Tyr
20 25 30
Lys Phe Ala Ile Ser Leu Cys Thr Ser Tyr Leu Cys Val Ser Phe Leu
35 40 45
Lys Thr Ile Phe Pro Ser Gln Asn Gly His Asp Gly Ser Thr Asp Val
50 55 60
Gln Gln Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys

65					70					75				80	
Ile	Val	Leu	Glu	Asp	Ile	Phe	Thr	Leu	Trp	Arg	Gln	Val	Glu	Thr	Lys
				85					90					95	
Val	Arg	Ala	Lys	Ile	Arg	Lys	Met	Lys	Val	Thr	Thr	Lys	Val	Asn	Arg
			100					105					110		
His	Asp	Lys	Ile	Asn	Gly	Lys	Arg	Lys	Thr	Ala	Lys	Glu	His	Leu	Arg
		115					120					125			
Lys	Leu	Ser	Met	Lys	Glu	Arg	Glu	His	Gly	Glu	Lys	Glu	Arg	Gln	Val
		130				135					140				
Ser	Glu	Ala	Glu	Glu	Asn	Gly	Lys	Leu	Asp	Met	Lys	Glu	Ile	His	Thr
145					150					155					160
Tyr	Met	Glu	Met	Phe	Gln	Arg	Ala	Gln	Ala	Leu	Arg	Arg	Arg	Ala	Glu
				165					170					175	
Asp	Tyr	Tyr	Arg	Cys	Lys	Ile	Thr	Pro	Ser	Ala	Arg	Lys	Pro	Leu	Cys
			180					185					190		
Asn	Xaa	Val	Arg	Met	Ala	Ala	Xaa	Glu	His	Arg	His	Ser	Ser	Gly	Leu
		195					200					205			
Pro	Xaa	Trp	Pro	Tyr	Leu	Thr	Ala	Glu	Thr	Leu	Lys	Asn	Arg	Met	Gly
		210				215					220				
Xaa	Gln	Pro	Pro	Pro	Pro	Thr	Gln	Gln	His	Ser	Ile	Xaa	Asp	Asn	Ser
225					230					235					240
Leu	Ser	Leu	Lys	Thr	Pro	Pro	Glu	Cys	Leu	Leu	His	Pro	Leu	Pro	Pro
				245					250					255	
Ser	Val	Asp	Asp	Asn	Ile	Lys	Glu	Cys	Pro	Leu	Ala	Pro	Leu	Pro	Pro
			260					265					270		
Ser	Val	Asp	Asp	Asn	Leu	Lys	Glu	Cys	Leu	Leu	Val	Pro	Leu	Pro	Pro
		275					280					285			
Ser	Pro	Leu	Pro	Pro	Ser	Val	Asp	Asp	Asn	Leu	Lys	Asp	Cys	Leu	Phe
		290				295					300				
Val	Pro	Leu	Pro	Pro	Ser	Pro	Leu	Pro	Pro	Ser	Val	Asp	Asp	Asn	Leu
305					310					315					320
Lys	Thr	Pro	Pro	Leu	Ala	Thr	Gln	Glu	Ala	Glu	Ala	Glu	Lys	Pro	Pro
				325					330					335	
Lys	Pro	Lys	Arg	Trp	Arg	Val	Asp	Glu	Val	Glu	Gln	Ser	Pro	Lys	Pro
			340					345					350		
Lys	Arg	Arg	Arg	Ala	Asp	Glu	Val	Glu	Gln	Ser	Pro	Lys	Pro	Lys	Arg
			355			360						365			
Gln	Arg	Glu	Ala	Glu	Ala	Gln	Gln	Leu	Pro	Lys	Pro	Lys	Arg	Arg	Arg

370

375

380

Leu Ser Lys Leu Xaa Thr Arg His Cys Thr
 385 390

<210> 1499

<211> 212

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1499

Met Arg Leu Arg Phe Trp Leu Leu Ile Trp Leu Leu Leu Gly Phe Ile
 1 5 10 15

Ser His Gln Pro Thr Pro Val Ile Asn Ser Leu Ala Val Tyr Arg His
 20 25 30

Arg Glu Thr Asp Phe Gly Val Gly Val Arg Asp His Pro Gly Gln His
 35 40 45

Gly Lys Thr Pro Ser Xaa Gln Lys Leu Asp Asn Leu Ile Ile Ile Ile
 50 55 60

Ile Gly Phe Leu Arg Arg Tyr Thr Phe Xaa Ile Leu Phe Cys Thr Ser
 65 70 75 80

Xaa Leu Cys Val Ser Phe Leu Lys Thr Ile Phe Trp Ser Arg Asn Gly
 85 90 95

His Asp Gly Ser Xaa Asp Val Gln Gln Arg Ala Trp Arg Ser Asn Arg

	100		105		110										
Ser	Arg	Gln	Lys	Gly	Leu	Arg	Ser	Ile	Xaa	Met	His	Thr	Lys	Lys	Arg
		115					120					125			
Val	Ser	Ser	Phe	Arg	Gly	Asn	Lys	Ile	Gly	Leu	Lys	Asp	Val	Ile	Thr
	130					135					140				
Leu	Arg	Arg	His	Val	Glu	Thr	Lys	Val	Arg	Ala	Lys	Ile	Arg	Lys	Arg
145					150					155					160
Lys	Val	Thr	Thr	Lys	Ile	Asn	Arg	His	Asn	Lys	Ile	Asn	Gly	Lys	Arg
				165					170					175	
Lys	Thr	Ala	Arg	Lys	Gln	Lys	Met	Phe	Gln	Arg	Ala	Gln	Glu	Leu	Arg
			180					185					190		
Arg	Arg	Ala	Glu	Asp	Tyr	His	Lys	Cys	Lys	Val	Arg	Ser	Phe	Leu	Pro
		195					200					205			
Ala	Val	Ala	Gly												
	210														

<210> 1500
 <211> 121
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (114)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals any of the naturally occurring L-amino acids

Met	Ala	Thr	Leu	Val	Trp	Arg	Leu	Tyr	Leu	Leu	Gln	Pro	Glu	Leu	Val
1				5			10							15	

Leu	Pro	Ser	Pro	Pro	Pro	Pro	Pro	Arg	Phe	Pro	Gly	Pro	Val	Gln	Thr
			20					25					30		

Pro	Lys	Ile	Pro	Gly	Pro	Ala	Arg	Gly	Pro	Arg	Thr	Gly	Phe	Gln	Pro
	35						40					45			
Pro	Ala	Phe	Ser	Phe	Pro	Ser	Pro	Thr	Pro	Phe	Phe	Ser	Ala	Gly	Thr
	50					55					60				
Pro	Val	Leu	Ser	Trp	Lys	Phe	Ala	Val	Leu	Cys	Pro	Ile	Ala	Gln	Glu
	65				70					75					80
Leu	Leu	Pro	Ala	Glu	Lys	Gly	Ala	Arg	Asn	Lys	Cys	Ser	Gly	Leu	Ser
				85					90					95	
Arg	Ser	Tyr	Ile	Phe	Ala	Met	Leu	Pro	Glu	Met	Gly	Gly	Xaa	Asn	Xaa
			100					105					110		
Leu	Xaa	Gln	Xaa	Asn	Glu	Trp	His	Gly							
	115						120								

<210> 1501
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 1501

Met	Asp	Arg	Leu	Lys	Ser	His	Leu	Thr	Val	Cys	Phe	Leu	Pro	Ser	Val
1				5					10					15	
Pro	Phe	Leu	Ile	Leu	Val	Ser	Thr	Leu	Ala	Thr	Ala	Lys	Ser	Val	Thr
			20					25					30		
Asn	Ser	Thr	Leu	Asn	Gly	Thr	Asn	Val	Val	Leu	Gly	Ser	Val	Pro	Val
		35					40					45			
Ile	Ile	Ala	Arg	Thr	Asp	His	Ile	Ile	Val	Lys	Glu	Gly	Asn	Ser	Ala
	50					55					60				
Leu	Ile	Asn	Cys	Ser	Val	Tyr	Gly	Ile	Pro	Asp	Pro	Gln	Phe	Lys	Trp
	65				70				75						80
Tyr	Asn	Ser	Ile	Gly	Lys	Leu	Leu	Lys	Glu	Glu	Glu	Asp	Glu	Lys	Glu
				85					90					95	
Arg	Gly	Gly	Gly	Lys	Trp	Gln	Met	His	Asp	Ser	Gly	Leu	Leu	Asn	Ile
			100					105						110	
Thr	Lys	Val	Ser	Phe	Ser	Asp	Arg	Gly	Lys	Tyr	Thr	Val	Cys	Gly	Phe
		115					120					125			

<210> 1502
 <211> 120

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1502
Leu Glu Phe Lys Xaa Pro Xaa Xaa Gln Val Pro Pro Trp Xaa Trp Leu
1 5 10 15
Ser Leu Phe Lys Lys Tyr Arg Ser Ala Thr Ile Ala Asn Ala Arg Thr
20 25 30
Trp Val Phe Cys Ser Phe Phe Xaa Val Leu Ile Leu Leu Phe Leu Tyr
35 40 45
Asn Gly Val Ile Val Ile Asn Thr Asn Cys Ser Phe Trp Phe Ser Pro
50 55 60
His Cys His Phe Cys Pro Tyr Val Ser Leu Glu His Val Pro Gln Arg
65 70 75 80
Leu Trp Tyr Gln Ser Pro Val Pro Gly Leu Ile Ser Thr Ser His Ile
85 90 95
Thr Phe Val Met Phe Gln Ser Ser Tyr Glu Ala Cys Tyr Phe Phe Phe
100 105 110
Ile Pro Gln Ala Tyr Phe His Arg
115 120

<210> 1503
<211> 409

<212> PRT

<213> Homo sapiens

<400> 1503

Met	Asp	Arg	Leu	Lys	Ser	His	Leu	Thr	Val	Cys	Phe	Leu	Pro	Ser	Val
1				5					10					15	

Pro	Phe	Leu	Ile	Leu	Val	Ser	Thr	Leu	Ala	Thr	Ala	Lys	Ser	Val	Thr
			20					25					30		

Asn	Ser	Thr	Leu	Asn	Gly	Thr	Asn	Val	Val	Leu	Gly	Ser	Val	Pro	Val
		35					40					45			

Ile	Ile	Ala	Arg	Thr	Asp	His	Ile	Ile	Val	Lys	Glu	Gly	Asn	Ser	Ala
	50					55					60				

Leu	Ile	Asn	Cys	Ser	Val	Tyr	Gly	Ile	Pro	Asp	Pro	Gln	Phe	Lys	Trp
65					70					75					80

Tyr	Asn	Ser	Ile	Gly	Lys	Leu	Leu	Lys	Glu	Glu	Glu	Asp	Glu	Lys	Glu
				85					90					95	

Arg	Gly	Gly	Gly	Lys	Trp	Gln	Met	His	Asp	Ser	Gly	Leu	Leu	Asn	Ile
			100					105						110	

Thr	Lys	Val	Ser	Phe	Ser	Asp	Arg	Gly	Lys	Tyr	Thr	Cys	Val	Ala	Ser
		115					120					125			

Asn	Ile	Tyr	Gly	Thr	Val	Asn	Asn	Thr	Val	Thr	Leu	Arg	Val	Ile	Phe
	130					135					140				

Thr	Ser	Gly	Asp	Met	Gly	Val	Tyr	Tyr	Met	Val	Val	Cys	Leu	Val	Ala
145					150					155					160

Phe	Thr	Ile	Val	Met	Val	Leu	Asn	Ile	Thr	Arg	Leu	Cys	Met	Met	Ser
				165					170					175	

Ser	His	Leu	Lys	Lys	Thr	Glu	Lys	Ala	Ile	Asn	Glu	Phe	Phe	Arg	Thr
			180					185						190	

Glu	Gly	Ala	Glu	Lys	Leu	Gln	Lys	Ala	Phe	Glu	Ile	Ala	Lys	Arg	Ile
		195					200					205			

Pro	Ile	Ile	Thr	Ser	Ala	Lys	Thr	Leu	Glu	Leu	Ala	Lys	Val	Thr	Gln
	210					215					220				

Phe	Lys	Thr	Met	Glu	Phe	Ala	Arg	Tyr	Ile	Glu	Glu	Leu	Ala	Arg	Ser
225					230					235					240

Val	Pro	Leu	Pro	Pro	Leu	Ile	Met	Asn	Cys	Arg	Thr	Ile	Met	Glu	Glu
				245					250					255	

Ile	Met	Glu	Val	Val	Gly	Leu	Glu	Glu	Gln	Gly	Gln	Asn	Phe	Val	Arg
			260					265					270		

His	Thr	Pro	Glu	Gly	Gln	Glu	Ala	Ala	Asp	Arg	Asp	Glu	Val	Tyr	Thr
		275					280					285			

Ile Pro Asn Ser Leu Lys Arg Ser Asp Ser Pro Ala Ala Asp Ser Asp
 290 295 300
 Ala Ser Ser Leu His Glu Gln Pro Gln Gln Ile Ala Ile Lys Val Ser
 305 310 315 320
 Val His Pro Gln Ser Lys Lys Glu His Ala Asp Asp Gln Glu Gly Gly
 325 330 335
 Gln Phe Glu Val Lys Asp Val Glu Glu Thr Glu Leu Ser Ala Glu His
 340 345 350
 Ser Pro Glu Thr Ala Glu Pro Ser Thr Asp Val Thr Ser Thr Glu Leu
 355 360 365
 Thr Ser Glu Glu Pro Thr Pro Val Glu Val Pro Asp Lys Val Leu Pro
 370 375 380
 Pro Ala Tyr Leu Glu Ala Thr Glu Pro Ala Val Thr His Asp Lys Asn
 385 390 395 400
 Thr Cys Ile Ile Tyr Glu Ser His Val
 405

<210> 1504
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1504
 Ser Met Lys Ala Lys Arg Asn Lys Gly Arg Trp Val Ala Ala Gly Pro
 1 5 10 15
 Thr Ala Ala Thr Ala Trp Ile Val Leu Thr Val Gln Ala Ala Cys Pro
 20 25 30
 Glu Gly Lys Cys Pro Leu Pro Gly Val Cys Ala Pro Ile Thr Trp Ala
 35 40 45

Pro Ser Tyr Leu Thr Ala Gly Lys Ala Lys Leu Ala Gly Pro Xaa Xaa
50 55 60

Tyr Lys Pro Gly Pro Val Leu Lys Ala Ala His Leu Pro Met Gly Gln
65 70 75 80

His Xaa His Thr Thr Pro Trp Trp Gln Pro Leu Phe Ile Ile Ser Val
85 90 95

Ser Arg Tyr Pro Pro Arg Thr Pro Lys Gln His
100 105

<210> 1505
<211> 106
<212> PRT
<213> Homo sapiens

<400> 1505
Met Lys Ala Lys Arg Asn Lys Gly Arg Trp Val Ala Ala Gly Pro Thr
1 5 10 15

Ala Ala Thr Ala Trp Ile Val Leu Thr Val Gln Ala Ala Cys Pro Glu
20 25 30

Gly Lys Cys Pro Leu Pro Gly Val Cys Ala Pro Ile Thr Trp Ala Pro
35 40 45

Ser Tyr Leu Thr Ala Gly Lys Ala Lys Leu Ala Gly Pro Arg Thr Tyr
50 55 60

Lys Pro Gly Pro Val Leu Lys Ala Ala His Leu Pro Met Gly Gln His
65 70 75 80

Pro His Thr Thr Pro Trp Trp Gln Pro Leu Phe Ile Ile Ser Val Ser
85 90 95

Arg Tyr Pro Pro Arg Thr Pro Lys Gln His
100 105

<210> 1506
<211> 106
<212> PRT
<213> Homo sapiens

<400> 1506
Met Lys Ala Lys Arg Asn Lys Gly Arg Trp Val Ala Ala Gly Pro Thr
1 5 10 15

Ala Ala Thr Ala Trp Ile Val Leu Thr Val Gln Ala Ala Cys Pro Glu
20 25 30

Gly Lys Cys Pro Leu Pro Gly Val Cys Ala Pro Ile Thr Trp Ala Pro
35 40 45

Ser Tyr Leu Thr Ala Gly Lys Ala Lys Leu Ala Gly Pro Arg Thr Tyr
50 55 60

Lys Pro Gly Pro Val Leu Lys Ala Ala His Leu Pro Met Gly Gln His
65 70 75 80

Pro His Thr Thr Pro Trp Trp Gln Pro Leu Phe Ile Ile Ser Val Ser
85 90 95

Arg Tyr Pro Pro Arg Thr Pro Lys Gln His
100 105

<210> 1507
<211> 109
<212> PRT
<213> Homo sapiens

<400> 1507
Met Val Ser Cys Trp Asp Gln Asn Leu Ile Leu Phe Leu Thr Cys Leu
1 5 10 15

Leu Ala Val Leu Ile Phe Cys Leu Val Leu Ala Val Tyr Ile Val Phe
20 25 30

Phe Lys Phe Leu Lys Ala Ser Leu Ile Tyr Val Pro Arg Glu Trp Val
35 40 45

Thr Leu Thr Lys Ala Asn Asp Val Gln Lys Gly His Asp Leu Gly Leu
50 55 60

Ser Tyr Cys Arg Thr Gln Ser Thr Ala Trp Pro Pro Pro Cys Leu Gly
65 70 75 80

His His Leu His Leu Glu Ser Ser Leu Thr Leu Glu Ser Phe Gly Leu
85 90 95

Leu Thr Ile Pro Ile Ser Asp Ser Val Ser Leu Ile Thr
100 105

<210> 1508
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1508
Gly Val Arg Ile Asp Ala Ser Gly Ser Leu Ala Ala Val Leu Pro Leu
1 5 10 15

Asn His Tyr Thr Ile Thr Glu Phe Asn Phe Leu Gln Phe Gln Gly Xaa
 20 25 30
 Thr Glu Leu Ser Ser Asp Ser Lys Ile Arg Ile Ser Asn Arg Glu Trp
 35 40 45
 Ile His Leu Arg Ile Gly Glu Thr Asp Ile His Asp Leu Lys Gln Lys
 50 55 60
 Ser Glu Thr Lys Leu Ile Asn
 65 70

<210> 1509
 <211> 109
 <212> PRT
 <213> Homo sapiens

<400> 1509

Met Val Ser Cys Trp Asp Gln Asn Leu Ile Leu Phe Leu Thr Cys Leu
 1 5 10 15
 Leu Ala Val Leu Ile Phe Cys Leu Val Leu Ala Val Tyr Ile Val Phe
 20 25 30
 Phe Lys Phe Leu Lys Ala Ser Leu Ile Tyr Val Pro Arg Glu Trp Val
 35 40 45
 Thr Leu Thr Lys Ala Asn Asp Val Gln Lys Gly His Asp Leu Gly Leu
 50 55 60
 Ser Tyr Cys Arg Thr Gln Ser Thr Ala Trp Pro Pro Pro Cys Leu Gly
 65 70 75 80
 His His Leu His Leu Glu Ser Ser Leu Thr Leu Glu Ser Phe Gly Leu
 85 90 95
 Leu Thr Ile Pro Ile Ser Asp Ser Val Ser Leu Ile Thr
 100 105

<210> 1510
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 1510

Met Gly Leu Gln Ser Arg Leu Ser Gln Pro Cys His Cys Arg His Leu
 1 5 10 15
 Gly Leu Gly Asn Ser Val Val Gly Thr Val Leu Phe Leu Val Gly Cys
 20 25 30
 Leu Val Ala Ser Leu Pro Pro Pro Thr Arg Cys Gln Gly His Cys Ser

	35					40				45					
Pro	Gln	Pro	Pro	Ala	Pro	Val	Val	Thr	Ile	Val	Ser	Lys	His	Cys	Gln
	50					55					60				
Met	Val	Gln	Gly	Lys	Gly	Lys	Ile	Ala	Pro	Val	Glu	Lys	Ser	Thr	Ala
	65				70					75					80
Val	Lys														

<210> 1511
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 1511															
Met	Gly	Leu	Gln	Ser	Arg	Leu	Ser	Gln	Pro	Cys	His	Cys	Arg	His	Leu
1				5					10					15	
Gly	Leu	Gly	Asn	Ser	Val	Val	Gly	Thr	Val	Leu	Phe	Leu	Val	Gly	Cys
			20					25						30	
Leu	Val	Ala	Ser	Leu	Pro	Pro	Pro	Thr	Arg	Cys	Gln	Gly	His	Cys	Ser
		35					40					45			
Pro	Gln	Pro	Pro	Ala	Pro	Val	Val	Thr	Ile	Val	Ser	Lys	His	Cys	Gln
	50					55					60				
Met	Val	Gln	Gly	Lys	Gly	Lys	Ile	Ala	Pro	Val	Glu	Lys	Ser	Thr	Ala
	65				70					75					80
Val	Lys														

<210> 1512
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 1512															
Met	Lys	Arg	Gln	Arg	Leu	Pro	Leu	Ala	Leu	Gln	Asn	Leu	Phe	Leu	Tyr
1				5					10					15	
Thr	Phe	Gly	Val	Leu	Leu	Asn	Leu	Gly	Leu	His	Ala	Gly	Gly	Gly	Ser
			20					25						30	
Gly	Pro	Gly	Leu	Leu	Glu	Gly	Phe	Ser	Gly	Trp	Ala	Ala	Leu	Val	Val
		35					40					45			
Leu	Ser	Gln	Ala	Leu	Asn	Gly	Leu	Leu	Met	Ser	Ala	Val	Met	Lys	His
	50					55					60				

Gly Ser Ser Ile Thr Arg Leu Phe Val Val Ser Cys Ser Leu Val Val
65 70 75 80

Asn Ala Val Leu Ser Ala Val Leu Leu Arg Leu Gln Leu Thr Ala Ala
85 90 95

Phe Phe Leu Ala Thr Leu Leu Ile Gly Leu Ala Met Arg Leu Tyr Tyr
100 105 110

Gly Ser Arg
115

<210> 1513
<211> 115
<212> PRT
<213> Homo sapiens

<400> 1513
Met Lys Arg Gln Arg Leu Pro Leu Ala Leu Gln Asn Leu Phe Leu Tyr
1 5 10 15

Thr Phe Gly Val Leu Leu Asn Leu Gly Leu His Ala Gly Gly Gly Ser
20 25 30

Gly Pro Gly Leu Leu Glu Gly Phe Ser Gly Trp Ala Ala Leu Val Val
35 40 45

Leu Ser Gln Ala Leu Asn Gly Leu Leu Met Ser Ala Val Met Lys His
50 55 60

Gly Ser Ser Ile Thr Arg Leu Phe Val Val Ser Cys Ser Leu Val Val
65 70 75 80

Asn Ala Val Leu Ser Ala Val Leu Leu Arg Leu Gln Leu Thr Ala Ala
85 90 95

Phe Phe Leu Ala Thr Leu Leu Ile Gly Leu Ala Met Arg Leu Tyr Tyr
100 105 110

Gly Ser Arg
115

<210> 1514
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1514
Met Leu Thr Gly Val Ile Ser Gly Ser Thr Gly Ala Met Ala Leu Ser
1 5 10 15

Leu Ala Ser Leu Ser Ala His Cys Phe Ala Phe Arg Cys Leu Ala Ala
20 25 30

Pro Phe Tyr Phe Phe Ala Gly Leu Gly Lys His Gly Arg Arg Ile Leu
35 40 45

Ile Ser Phe Leu Phe Ser Ala Trp
50 55

<210> 1515
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1515
Met Leu Thr Gly Val Ile Ser Gly Ser Thr Gly Ala Met Ala Leu Ser
1 5 10 15

Leu Ala Ser Leu Ser Ala His Cys Phe Ala Phe Arg Cys Leu Ala Ala
20 25 30

Pro Phe Tyr Phe Phe Ala Gly Leu Gly Lys His Gly Arg Arg Ile Leu
35 40 45

Ile Ser Phe Leu Phe Ser Ala Trp
50 55

<210> 1516
<211> 147
<212> PRT
<213> Homo sapiens

<400> 1516
Met Ala Arg Leu Lys Thr Val Leu Lys Tyr Val Leu Phe Leu Leu Gly
1 5 10 15

Thr Leu Val Ile Ala Met Ser Leu Gln Leu Asp Arg Arg Gly Met Trp
20 25 30

Asn Met Leu Gly Pro Cys Leu Phe Ala Phe Val Ile Met Ala Ser Met
35 40 45

Trp Ala Tyr Arg Cys Gly His Arg Arg Gln Cys Tyr Pro Thr Ser Trp
50 55 60

Gln Arg Trp Ala Phe Tyr Leu Leu Pro Gly Val Ser Met Ala Ser Val
65 70 75 80

Gly Ile Ala Ile Tyr Thr Ser Met Met Thr Ser Asp Asn Tyr Tyr Tyr
85 90 95

Thr His Ser Ile Trp His Ile Leu Leu Ala Gly Ser Ala Ala Leu Leu
100 105 110

Leu Pro Pro Pro Asp Gln Pro Ala Glu Pro Trp Ala Cys Ser Gln Lys

115		120		125											
Phe	Pro	Cys	His	Tyr	Gln	Ile	Cys	Lys	Asn	Asp	Arg	Glu	Glu	Leu	Tyr
130						135					140				

Ala Val Thr
145

<210> 1517
<211> 147
<212> PRT
<213> Homo sapiens

<400> 1517
Met Ala Arg Leu Lys Thr Val Leu Lys Tyr Val Leu Phe Leu Leu Gly
1 5 10 15

Thr	Leu	Val	Ile	Ala	Met	Ser	Leu	Gln	Leu	Asp	Arg	Arg	Gly	Met	Trp
			20					25					30		

Asn	Met	Leu	Gly	Pro	Cys	Leu	Phe	Ala	Phe	Val	Ile	Met	Ala	Ser	Met
		35					40					45			

Trp	Ala	Tyr	Arg	Cys	Gly	His	Arg	Arg	Gln	Cys	Tyr	Pro	Thr	Ser	Trp
50						55					60				

Gln	Arg	Trp	Ala	Phe	Tyr	Leu	Leu	Pro	Gly	Val	Ser	Met	Ala	Ser	Val
65					70					75					80

Gly	Ile	Ala	Ile	Tyr	Thr	Ser	Met	Met	Thr	Ser	Asp	Asn	Tyr	Tyr	Tyr
				85					90				95		

Thr	His	Ser	Ile	Trp	His	Ile	Leu	Leu	Ala	Gly	Ser	Ala	Ala	Leu	Leu
			100				105						110		

Leu	Pro	Pro	Pro	Asp	Gln	Pro	Ala	Glu	Pro	Trp	Ala	Cys	Ser	Gln	Lys
		115					120					125			

Phe	Pro	Cys	His	Tyr	Gln	Ile	Cys	Lys	Asn	Asp	Arg	Glu	Glu	Leu	Tyr
130						135					140				

Ala Val Thr
145

<210> 1518
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1518

Met	Trp	Gln	Tyr	His	Arg	Leu	Ser	Cys	Thr	Ala	Trp	Gln	Pro	Val	Ile
1				5					10					15	
Leu	Ser	Phe	Ser	Leu	Ser	Val	Gly	His	Arg	Ile	Leu	Leu	Ala	Leu	Phe
			20					25					30		
Phe	Phe	Ile	Leu	His	Leu	Ser	Ile	Leu	Ile	Ala	Thr	Glu	Cys	Arg	Pro
		35					40					45			
Trp	Tyr	Ser	Phe	His	Leu	Val	Ser	Leu	Pro	Ser	Phe	Leu	Pro	Gln	Phe
	50					55					60				
Leu	Leu	Cys	Leu	Ala	Xaa	Ile	Cys	Leu	Phe	Gly	Phe	Thr	Thr	Leu	Leu
65					70					75					80
Phe	Ser	Phe	Cys	Cys	Gln	Val	His	Val	Leu	Gly	His				
				85						90					

<210> 1519

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1519

Asp	Tyr	Ile	Leu	Met	Arg	Gln	Leu	Arg	Pro	Ala	Asn	Phe	Cys	Ile	Phe
1				5					10					15	
Ser	Arg	Asp	Arg	Phe	His	Pro	Val	Ser	Gln	Ala	Gly	Leu	Glu	Leu	Leu
			20					25					30		
Thr	Ser	Ser	Asp	Leu	Xaa	Ala	Phe	Gly	Leu	Pro	Lys	Tyr	Trp	Tyr	Tyr
		35					40					45			
Arg	His	Glu	Pro	Pro	Cys	Leu	Ala	Ser	Xaa						
	50					55									

<210> 1520

<211> 80

<212> PRT

<213> Homo sapiens